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Volume V
Part 6
Section 2 of 6

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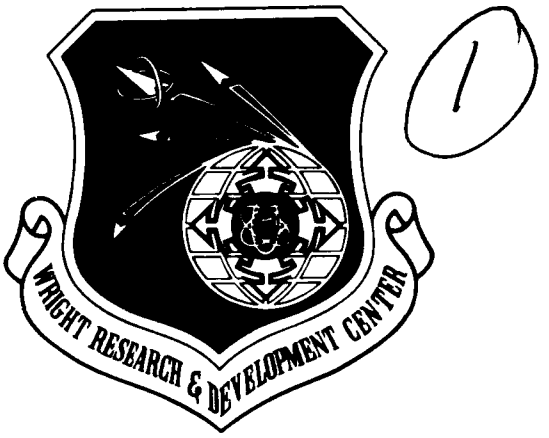

INTEGRATED INFORMATION SUPPORT SYSTEM (IISS)
Volume V - Common Data Model Subsystem
Part 6 - Neutral Data Definition Language (NDDL) Product Specification
Section 2 of 6

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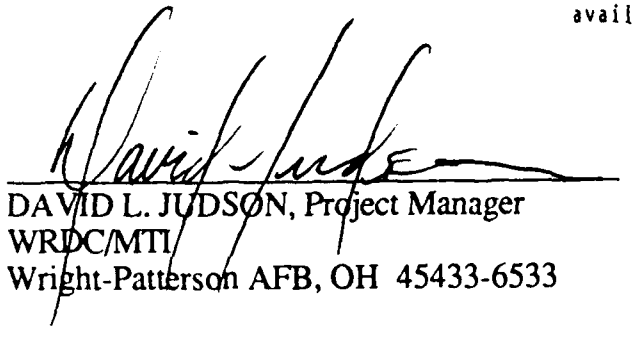

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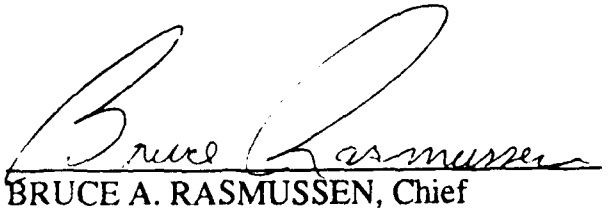

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13. ABSTRACT

This specification establishes the development, test and qualification requirements of a computer program identified as the "Neutral Data Definition Language Processor" (NDDL Processor).

This report is divided into six (6) sections.

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DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	COPAALI	External routine
GENCAT		
	ERRPRO	External routine
	SELECNM	Well-defined module
	VERENT	Well-defined module
	ADDPARM	External routine
	GENDESC	Well-defined module
	SELACNM	Well-defined module
	COPCKW	External routine
	GENCNM3	Well-defined module
GENCMPX		
	ERRPRO	External routine
	CHKCMPX	External routine
GENCNM1		
	VERRCC	Well-defined module
	ADDPARM	External routine
	FNDRCEC	External routine
	SELIAUC	Well-defined module
GENCNM2		
	VERRCC	Well-defined module
	ADDPARM	External routine
	FNDEC	External routine
	SELIAUC	Well-defined module
GENCNM3		
	VERRCC	Well-defined module
	VERENT	Well-defined module
	ADDPARM	External routine
	SELIAUC	Well-defined module
GENCNME		
	VERRCC	Well-defined module
	VERENT	Well-defined module

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DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ADDPARM	External routine
	SELIAUC	Well-defined module
GENCREC		
	ERRPRO	External routine
	GENECRT	Well-defined module
GENCRPT		
	UERROR	Well-defined module
	ERRPRO	External routine
	GENEHP	Well-defined module
GENCRUN		
	ERRPRO	External routine
	SELECNM	Well-defined module
	ADDPARM	External routine
	SELDBNM	Well-defined module
GENDALG		
	ERRPRO	External routine
	ADDPARM	External routine
	GTCNTPR	Well-defined module
GENDB		
	ERRPRO	External routine
	ADDPARM	External routine
	GENDESC	Well-defined module
	ALLREC	External routine
	ALLSET	External routine
	VERPCB	Well-defined module
	VERPASS	Well-defined module
	VERDBA	Well-defined module
	VERSCH	Well-defined module
GENDCOM		
	ERRPRO	External routine
	SELECNM	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	VERENT	Well-defined module
	ADDPARM	External routine
	GENDESC	Well-defined module
	GENRNME	Well-defined module
	MIGREL	Well-defined module
	COPRKW	External routine
GENDEP		
	ERRPRO	External routine
	GENDCOM	External routine
GENDESC		
	ERRPRO	External routine
	ADDPARM	External routine
	ADDTXT	External routine
GENDOM		
	UERROR	Well-defined module
	ERRPRO	External routine
	ADDPARM	External routine
	GENDESC	External routine
	ALLDT	External routine
	ALLVALU	External routine
	ALLRNG	External routine
GENDT		
	ERRPRO	External routine
	ADDPARM	External routine
GENECRT		
	ERRPRO	External routine
	ADDPARM	External routine
	VERRULE	Well-defined module
GENEHP		
	ERRPRO	External routine
	SELECNM	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	VERRTNO	Well-defined module
	ADDPARM	External routine
	SELDBNM	Well-defined module
GENEKW		
	ERRPRO	External routine
	ADDPARM	External routine
GENENT		
	ADDPARM	External routine
	GENOA	Well-defined module
	GENEKW	External routine
GENENT1		
	ERRPRO	External routine
	GENDESC	External routine
	ADPARM1	External routine
	CMBOA	External routine
	CMBEKW	External routine
	CMBALI	External routine
GENENT2		
	ERRPRO	External routine
	VERENT	Well-defined module
	ADDPARM	External routine
	GENDESC	External routine
	COPEKW	External routine
	COPVALI	External routine
	COPOA	External routine
GENEUN		
	UERROR	Well-defined module
	ERRPRO	External routine
	GENCRUN	External routine
GENFLD		
	RETRFLD	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRPRO	External routine
	ADDPARM	External routine
	GENDESC	External routine
GENFROM		
	ERRPRO	External routine
	SELECNM	Well-defined module
	VERENT	Well-defined module
	ADDPARM	External routine
	GENDESC	External routine
	VERCR	Well-defined module
	VERCRNM	Well-defined module
	SELACNM	Well-defined module
	GENCNME	External routine
	CMBRKW	External routine
GENGENC		
	ERRPRO	External routine
	SELECNM	Well-defined module
	VERENT	Well-defined module
	ADDPARM	External routine
	GENDESC	External routine
	SELACNM	Well-defined module
	COPCKW	External routine
	GENCNM2	External routine
GENICOM		
	ERRPRO	External routine
	SELECNM	Well-defined module
	VERENT	Well-defined module
	ADDPARM	External routine
	GENDESC	External routine
	GENRNME	Well-defined module
	MIGREL	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	COPRKW	External routine
GENIND		
	ERRPRO	External routine
	FNDEC	External routine
	GENICOM	External routine
GENKEY		
	ERRPRO	External routine
	ADDPARM	External routine
	SELKCM	Well-defined module
GENMAP		
	ERRPRO	External routine
	SELECNM	Well-defined module
	ADDPARM	External routine
	GENTODF	Well-defined module
	GENTOST	Well-defined module
	GENCMPX	External routine
GENMENT		
	ERRPRO	External routine
	GENEHP	External routine
	SELMTAG	Well-defined module
	GENEUN	External routine
GENMREL		
	ERRPRO	External routine
	ADDPARM	External routine
GENMROJ		
	ERRPRO	External routine
	ADDPARM	External routine
	SELDBRT	Well-defined module
	VERROJ	Well-defined module
GENOA		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ADDPARM	External routine
GENPSB		
	ERRPRO	External routine
	ADDPARM	External routine
GENREC		
	ERRPRO	External routine
	ADDPARM	External routine
	SELDBAA	Well-defined module
	GENFLD	External routine
GENREL		
	ADDPARM	External routine
	GENRNME	Well-defined module
	MIGREL	Well-defined module
	GENRKW	Well-defined module
GENREL1		
	ERRPRO	External routine
	ADDPARM	External routine
	GENRNME	Well-defined module
	MIGREL	Well-defined module
	COPRKW	External routine
GENRKW		
	ERRPRO	External routine
	ADDPARM	External routine
GENRNME		
	ADDPARM	External routine
GENSET		
	UERROR	Well-defined module
	ERRPRO	External routine
	ADDPARM	External routine
	GENDESC	External routine
	GETMEMB	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	GETDFSL	Well-defined module
GENTODF		
	ERRPRO	External routine
	ADDPARM	External routine
GENTOST		
	ERRPRO	External routine
	ADDPARM	External routine
GENVIEW		
	UERROR	Well-defined module
	ERRPRO	External routine
	ADDPARM	External routine
	GENDESC	External routine
	WRTDITM	Well-defined module
	SELECXR	Well-defined module
	WRTSLCT	Well-defined module
	WRTWHCL	Well-defined module
	GENALG	External routine
GETACAL		
	UERROR	Well-defined module
	ERRPRO	External routine
	DELACAL	External routine
GETCARD		
	ERRPRO	External routine
GETCRID		
	ERRPRO	External routine
GETCRNM		
	ERRPRO	External routine
	RETRECP	Well-defined module
	GETCRID	External routine
GETDBST		
	CPFONE	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	UERROR	Well-defined module
	CPFNXT	External routine
	ERRPRO	External routine
	CHGLOBL	External routine
	VERDBAS	Well-defined module
	GETGLOB	Well-defined module
GETDFSL		
	ERRPRO	External routine
	ADDPARM	External routine
GETDOM		
	ERRPRO	External routine
GETDRT		
	CPFONE	External routine
	UERROR	Well-defined module
	VERRT	Well-defined module
	VERDBAS	Well-defined module
GETDTN		
	ERRPRO	External routine
GETECAL		
	UERROR	Well-defined module
	ERRPRO	External routine
	DELECAL	External routine
GETECNM		
	STRNCPY	External routine
GETECS		
	ERRPRO	External routine
	ADDPARM	External routine
	CHKREL	External routine
	CHKRELC	External routine
	CHKKEYS	External routine
	CHKATT	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
GETGLOB		
	STRNCPY	External routine
GETMEMB		
	ERRPRO	External routine
	ADDPARM	External routine
GETNCHR		
	GETCHAR	External routine
GETNNUM		
	UERROR	Well-defined module
	ERRPRO	External routine
	SPRINTF	External routine
	GETNXNO	Well-defined module
GETNXNO		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLAB2	External routine
	UPDNXNO	Well-defined module
GETRCID		
	ERRPRO	External routine
GETRCNM		
	ERRPRO	External routine
	RETRECP	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	GETRCID	External routine
GETRDH		
	CPFONE	External routine
	UERROR	Well-defined module
	ERRPRO	External routine
	CHGLOBL	External routine
	VERDBAS	Well-defined module
	GETGLOB	External routine
GTAUCPR		
	ERRPRO	External routine
GTCNTPR		
	ERRPRO	External routine
	ADDPARM	External routine
GTDIPR		
	ERRPRO	External routine
GTDTTYP		
	ERRPRO	External routine
GTVIEWS		
	ERRPRO	External routine
	GENVIEW	External routine
HALT		
	CPFONE	External routine
	COMMIT	External routine
	ROLBACK	Well-defined module
HOOK_FORM		
	UERROR	Well-defined module
	ERRPRO	External routine
	SPRINTF	External routine
	STRNCMP	External routine
	INITFP	External routine
	OPNFRM	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ADDFRM	External routine
HPNLOOK		
	CPFONE	External routine
	UERROR	Well-defined module
	CONVCPF	External routine
	ERRPRO	External routine
	VERECN	Well-defined module
	VERHPN	Well-defined module
ICOPATT		
	UERROR	Well-defined module
	ERRPRO	External routine
	UWARN	Well-defined module
	INSACNM	Well-defined module
	WRTALI	Well-defined module
	WRTACKW	Well-defined module
	WRTDESC	Well-defined module
	BLDATT	External routine
ICOPENT		
	UERROR	Well-defined module
	GETNNUM	External routine
	ERRPRO	External routine
	WRTDESC	Well-defined module
	INSECNM	Well-defined module
	INSEC	Well-defined module
	WRTECKW	Well-defined module
	WRTENAM	Well-defined module
	COPYAC	External routine
INDFROM		
	ERRPRO	External routine
	SELECNM	Well-defined module
	VERENT	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ADDPARM	External routine
	GENDESC	External routine
	VERLR	Well-defined module
	CMBRKW	External routine
	VERRCNM	Well-defined module
	GENRNME	External routine
	MIGREL	Well-defined module
INITCMD		
INITRDL		
INITSES		
	UERROR	Well-defined module
	ERRPRO	External routine
	VERTYP	Well-defined module
	SPRINTF	External routine
	STRNCPY	External routine
	STRNCMP	External routine
	HOOK_FORM	External routine
INS1PSB		
	ERRPRO	External routine
INS1ROJ		
	ERRPRO	External routine
INSAC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLBS2	External routine
	ERRRPT	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLAB2	External routine
INSACNM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSAISM		
	ERRPRO	External routine
INSAPRM		
	ERRPRO	External routine
INSAREA		
	ERRPRO	External routine
INSAUC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
INSAUCS		
	ERRPRO	External routine
INSCATM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSCATR		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
	STRLEN	External routine
INSCOPA		
	ERRPRO	External routine
INSCRC		
	SQLSCA	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSDAA		
	ERRPRO	External routine
INSDB		
	ERRPRO	External routine
INSDBH		
	ERRPRO	External routine
INSDBMS		
	ERRPRO	External routine
INSDESC		
	ERRPRO	External routine
INSDFPA		
	ERRPRO	External routine
INSDI		
	ERRPRO	External routine
INSDIPA		
	ERRPRO	External routine
INSDOM		
	ERRPRO	External routine
INSDSCT		
	ERRPRO	External routine
INSDSL		
	SQLSCA	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSDT		
	UERROR	Well-defined module
	GETNNUM	External routine
	ERRPRO	External routine
INSEC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSECNM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSECRF		
	ERRPRO	External routine
INSECRT		
	ERRPRO	External routine
INSGECLST		
	MALLOC	External routine
INSHST		
	ERRPRO	External routine
INSIAUC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSKC		
	ERRPRO	External routine
INSKCM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSKW		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSKWAC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSKWEC		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSKWRC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSLNKR		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRRPT	External routine
	SQLAB2	External routine
INSMOD		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
	CDSDATE	External routine
INSNODE		
	MALLOC	External routine
INSOAC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSORDR		
	MALLOC	External routine
INSPARM		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRPRO	External routine
INSPART		
	ERRPRO	External routine
INSPCB		
	ERRPRO	External routine
INSPDF		
	ERRPRO	External routine
INSPDI		
	ERRPRO	External routine
INSPWRD		
	ERRPRO	External routine
INSQCRF		
	ERRPRO	External routine
INSQCTG		
	ERRPRO	External routine
INSRC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
	STRLEN	External routine
INSRCRS		
	SQLSCA	External routine
	SQLSCH	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSRNG		
	ERRPRO	External routine
INSRSET		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSRTPA		
	ERRPRO	External routine
INSRTYP		
	ERRPRO	External routine
INSRULE		
	ERRPRO	External routine
INSSCH		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
INSSMOD		
	ERRPRO	External routine
INSSTM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
INSTAGLST		
	MALLOC	External routine
INSTFLD		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLSQS	External routine
	SQLAB2	External routine
INSTGPA		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
INSUNIN		
	ERRPRO	External routine
INSVAL		
	ERRPRO	External routine
INSVIEW		
	ERRPRO	External routine
INSVMOD		
	ERRPRO	External routine
KCINH		
	UERROR	Well-defined module
	GETNNUM	External routine
	ERRPRO	External routine
	INSAUC	External routine
	INSIAUC	External routine
	VERATAG	Well-defined module
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLAD1	External routine
	SQLFCH	External routine
KCMADD		
	UERROR	Well-defined module
	ERRPRO	External routine
	INSKCM	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	VERATAG	Well-defined module
	VERTKCM	Well-defined module
	KCINH	External routine
KCMDRP		
	UERROR	Well-defined module
	ERRPRO	External routine
	VTAGAUC	Well-defined module
	VERTKCM	Well-defined module
	DELAKCM	External routine
	DMIGKKC	External routine
KCMSUBS		
	CPFONE	External routine
	UERROR	Well-defined module
	CPFNXT	External routine
	ERRPRO	External routine
	VERATAG	Well-defined module
	VERTKCM	Well-defined module
	FETITAG	External routine
	KEYSUB	Well-defined module
KEYADS		
	CPFONE	External routine
	UERROR	Well-defined module
	CPFNXT	External routine
	LOWUPP	Well-defined module
	ERRPRO	External routine
	CHKCAT	External routine
	KCMSUBS	External routine
	KCMADD	External routine
	KCMDRP	External routine
KEYLOOK		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	TERKEY	Well-defined module
KEYSUB		
	ERRPRO	External routine
	MODAAUC	Well-defined module
	MODAKCM	Well-defined module
	MODIAUC	Well-defined module
KYSTRUC		
	ERRPRO	External routine
	DPKCLST	External routine
	ECSTRUC	External routine
LDECLST		
	UERROR	Well-defined module
	ERRPRO	External routine
LOADESC		
	ERRPRO	External routine
	CLSFIL	External routine
	OPNFIL	External routine
	WRDSFL	Well-defined module
	EDITCI	External routine
	FILEINS	External routine
LOOPDEP		
LOWUPP		
	TOUPPER	External routine
	ISLOWER	External routine
LVLCHK		
	ERRRPT	External routine
	COOPEN	External routine
	COCLOSE	External routine
	COFETCH	External routine
	COEXEC	External routine
	COBINDN	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	CODFINN	External routine
	COSQL3	External routine
LVLCHK1		
	ERRRPT	External routine
	COOPEN	External routine
	COCLOSE	External routine
	COFETCH	External routine
	COEXEC	External routine
	COBINDN	External routine
	CODFINN	External routine
	COSQL3	External routine
MALTOAT		
	ERRPRO	External routine
	ADDPARM	External routine
	VERKCM	Well-defined module
MAPADF		
	UERROR	Well-defined module
	ERRPRO	External routine
	INSAISM	External routine
	VALDTN	Well-defined module
	VERTAG	Well-defined module
	VERDTFL	Well-defined module
	VERECRT	Well-defined module
	VERMAPD	Well-defined module
	VERAIMR	Well-defined module
	INSPDF	External routine
MAPAREC		
	UERROR	Well-defined module
	ERRPRO	External routine
	VERDB	Well-defined module
	VERRT	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	INSECRT	External routine
MAPAROJ		
	UERROR	Well-defined module
	ERRPRO	External routine
	VERDB	Well-defined module
	VERRT	Well-defined module
	VERECRT	Well-defined module
	VERRCT	Well-defined module
	VERCRTC	Well-defined module
	VALROJ	Well-defined module
	SELCRDN	Well-defined module
	INS1ROJ	External routine
MAPASET		
	UERROR	Well-defined module
	ERRPRO	External routine
	INSAISM	External routine
	VERRT	Well-defined module
	VERSMS	Well-defined module
	CHKAUCV	External routine
	VERRCBS	Well-defined module
	VERECRT	Well-defined module
	VERAIMR	Well-defined module
	VOMAPS	Well-defined module
	INSAUCS	External routine
MAPRC		
	UERROR	Well-defined module
	FNDASA	External routine
	SPRINTF	External routine
	STRNCPY	External routine
	FND1MEM	External routine
	VERRCMP	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	INSRCRS	External routine
MGENENT		
	ADDPARM	External routine
	COPEKW	External routine
	MGENOA	Well-defined module
MGENOA		
	ERRPRO	External routine
	ADDPARM	External routine
	MALTOAT	External routine
MGENREL		
	ADDPARM	External routine
	GENRNME	External routine
	MIGREL	Well-defined module
	GENRKW	External routine
MIGREL		
	VERRCC	Well-defined module
	ADDPARM	External routine
	NEXTKC	Well-defined module
	SELIAUC	Well-defined module
MKRNLS1		
	UERROR	Well-defined module
	CPFNXT	External routine
	CPFVAL	External routine
	VERKCMG	Well-defined module
MKRNLST		
	CPFONE	External routine
	UERROR	Well-defined module
	CPFNXT	External routine
	VERKCMG	Well-defined module
MODAAUC		
	UERROR	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRPRO	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
MODACEC		
	ERRPRO	External routine
MODACKW		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
MODAISM		
	ERRPRO	External routine
MODAKCM		
	UERROR	Well-defined module
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
MODATT		
	ERRPRO	External routine
	CREATTR	External routine
MODAUCE		
	UERROR	Well-defined module
	ERRPRO	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
MODDBAL		
	ERRPRO	External routine
MODECKW		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
MODENT		
	ERRPRO	External routine
	WRTENT	External routine
MODIAUC		
	UERROR	Well-defined module
	ERRPRO	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
MODKC		
	ERRPRO	External routine
	FNDEC	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	AKCROW	External routine
MODKCNM		
	UERROR	Well-defined module
	ERRPRO	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
MODLOC		
	ERRPRO	External routine
MODOATT		
	[illegible]RO	External routine
	WRTOAT	Well-defined module
MODPCB		
	ERRPRO	External routine
MODPWRD		
	ERRPRO	External routine
MODRCKC		
	ERRPRO	External routine
	FNDEC	External routine
	INITRDL	External routine
	STARTBL	Well-defined module
	SELIKEY	Well-defined module
MODRCKW		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
MODREL		
	UERROR	Well-defined module
	ERRPRO	External routine
	SELECNM	Well-defined module
	GENDESC	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLAD1	External routine
	SQLFCH	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	FNDRCEC	External routine
	ALLKEY	External routine
	MGENREL	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
MODREL1		
	UERROR	Well-defined module
	ERRPRO	External routine
	SELECNM	Well-defined module
	ADDPARM	External routine
	GENDESC	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLAD1	External routine
	SQLFCH	External routine
	SELACNM	Well-defined module
	SQLTFL	External routine
	SQLOPN	External routine
	FNDRCEC	External routine
	ALLKEY	External routine
	GENCNM1	External routine
	COPCKW	External routine
MODRELA		
	ERRPRO	External routine
	ADDPARM	External routine
	MODREL1	External routine
	MODREL	External routine
MODSCH		
	ERRPRO	External routine
MODYFLD		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLSQS	External routine
	SQLAB2	External routine
MRGMOD		
	CPFONE	External routine
	UERROR	Well-defined module
	CPFNXT	External routine
	ERRPRO	External routine
	ADDPARM	External routine
	VERMOD	Well-defined module
	NFLOPEN	Well-defined module
	NFLCLOS	Well-defined module
	EXCFLAG	External routine
	MRGMOD1	Well-defined module
	BLKCLST	External routine
	MRGNODE	Well-defined module
	MRGMOD2	Well-defined module
MRGMOD1		
	ERRPRO	External routine
	BLKCLST	External routine
	ALLATT	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ALLENT	External routine
	TOPNODE	Well-defined module
	ALLREL	External routine
MRGMOD2		
	ERRPRO	External routine
	SELECNM	Well-defined module
	VERENT	Well-defined module
	ADDPARM	External routine
	BLRCKC	External routine
	VERCRNM	Well-defined module
	GENENT1	External routine
	VERRCNM	Well-defined module
	GETRCID	External routine
	GETCRID	External routine
	MODREL1	External routine
	MODREL	External routine
	CKDUPEC	External routine
MRGNODE		
	UERROR	Well-defined module
	SELECNM	Well-defined module
	VERENT	Well-defined module
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine
	GENENT1	External routine
	GENALTE	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SPRINTF	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLSQS	External routine
	SQLAB2	External routine
NCOMMIT		
	ERRPRO	External routine
NDDL/MAIN		
	STRNCPY	External routine
	STRCPY	External routine
	PRINTF	External routine
	STRCAT	External routine
	ERRTRAP	External routine
	SCANF	External routine
	SIGNAL	External routine
	INITSES	External routine
	PROCMD	Well-defined module
	TERMSES	Well-defined module
	TRMDDL	Well-defined module
	EXIT	External routine
NEWTAGM		
	ERRPRO	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLEXE	External routine
	SQLCLS	External routine
	SQLAD1	External routine
	SQLFCH	External routine
NEXTKC		
	STRNCPY	External routine
NEXTKCM		
	STRNCPY	External routine
NFLCLOS		
	FCLOSE	External routine
NFLOPEN		
	UERROR	Well-defined module
	SPRINTF	External routine
	ESCPY	External routine
	FOPEN	External routine
NRGET		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLAB2	External routine
	GETNXNO	External routine
	DELREUS	External routine
NROLBAK		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRPRO	External routine
NRSTORE		
	MALLOC	External routine
OLDTAGM		
	UERROR	Well-defined module
	ERRPRO	External routine
	SELKCMA	Well-defined module
ORALON		
	ERRPRO	External routine
	SQLSCA	External routine
	SQLADR	External routine
	SQLLO1	External routine
OUTDESC		
	ERRPRO	External routine
	OUTFIL	External routine
	CLSFIL	External routine
	OPNFIL	External routine
P1FROM		
	ALLVIEW	External routine
	SMVIEW	Well-defined module
	CHKDOMS	External routine
PNOFROM		
	UERROR	Well-defined module
	VERENT	Well-defined module
	CHKDOMS	External routine
PRESMIG		
	UERROR	Well-defined module
	ERRPRO	External routine
	UWARN	Well-defined module
	DELKCMT	External routine
	DELAKCM	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	DMIGKKC	External routine
	DELAUCL	External routine
	DMIGKRC	External routine
	DELIAUC	External routine
PROCDT		
	CPFONE	External routine
	UERROR	Well-defined module
	CPFNXT	External routine
	CPFCOR	External routine
	LOWUPP	External routine
	VERTYP	Well-defined module
	ADDDT	External routine
	DRPDT	External routine
	ALTDT	External routine
PROCMD		
	UERROR	Well-defined module
	ERRPRO	External routine
	UWARN	Well-defined module
	GETNCHR	External routine
	SPRINTF	External routine
	STRNCPY	External routine
	STRNCMP	External routine
	STRCPY	External routine
	COMMIT	External routine
	ROLBACK	Well-defined module
	PMSGLS	External routine
	RESETFN	External routine
	COMMITMN	External routine
	COMMITFN	External routine
	RESETMN	External routine
	INITCMD	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	PDATA	External routine
	BRANCHR	External routine
	RMVPAG	External routine
	PUTCHAR	External routine
	YYPARSE	Well-defined module
	OISCR	External routine
	GDATA	External routine
	RPLFRM	External routine
PROCPRM		
	UERROR	Well-defined module
	CPFNXT	External routine
	CPFVAL	External routine
	LOWUPP	External routine
	ADDPRMS	External routine
RACKW2		
	ERRPRO	External routine
	ADDPARM	External routine
	RETRACP	Well-defined module
RCCHEK		
	CPFNXT	External routine
	VERENT	Well-defined module
	VERCR	Well-defined module
	VERLR	Well-defined module
RCCHEK1		
	VERENT	Well-defined module
	VERCR	Well-defined module
	VERLR	Well-defined module
RCLASA		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLSQS	External routine
	SQLAB2	External routine
	CPARM	External routine
RCLASS		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLSQS	External routine
	SQLAB2	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	CPARM	External routine
RDDESC		
	UERROR	Well-defined module
	FILEINS	External routine
	SPRINTF	External routine
	ERRRPT	External routine
	STRINS	Well-defined module
	COOPEN	External routine
	COCLOSE	External routine
	COBINDN	External routine
	COSQL3	External routine
RECKW2		
	ERRPRO	External routine
	ADDPARM	External routine
	RETRECP	Well-defined module
RECSEMS		
	UERROR	Well-defined module
	VERDTYP	Well-defined module
	ERRPRO	External routine
RELKW		
	ERRPRO	External routine
	RETRCKW	Well-defined module
	RRCKW2	Well-defined module
REMVIEW		
	UERROR	Well-defined module
	STRQCRF	Well-defined module
	P1FROM	External routine
	VALVWRC	Well-defined module
	PNOFROM	External routine
RENMOBJ		
	CPFONE	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	UERROR	Well-defined module
	CPFNXT	External routine
	LOWUPP	External routine
	VERKW	Well-defined module
	VERDFID	Well-defined module
	VERDB	Well-defined module
	VERATT	Well-defined module
	VERENT	Well-defined module
	VERHST	Well-defined module
	VERDOM	Well-defined module
	VERMOD	Well-defined module
	VERVIEW	Well-defined module
	DELKW	External routine
	VERDIID	Well-defined module
	VERSTID	Well-defined module
	VERRTID	Well-defined module
	VERDTN	Well-defined module
	RCCHEK	External routine
	RCCHEK1	External routine
	UPDECNM	Well-defined module
	UPDACNM	Well-defined module
	UPDRCNM	Well-defined module
	UPDTKW	Well-defined module
	UPDMNAM	Well-defined module
	UPDTDOM	Well-defined module
	UPDVIEW	Well-defined module
	UPDHOST	Well-defined module
	UPDDTI	Well-defined module
	UPDSET	Well-defined module
	UPDREC	Well-defined module
	UPDFLD	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	UPDDBN	Well-defined module
	UPDDT	Well-defined module
	MODACKW	External routine
	MODECKW	External routine
	MODRCKW	External routine
RETACKW		
	ERRPRO	External routine
RETATTR		
	ERRPRO	External routine
RETDT		
	ERRPRO	External routine
RETECKW		
	UERROR	Well-defined module
	ERRPRO	External routine
RETRAC1		
	ERRPRO	External routine
	VERATT	Well-defined module
	ADDPARM	External routine
RETRAC2		
	ERRPRO	External routine
	ADDPARM	External routine
	VERATTP	Well-defined module
RETRACP		
	ERRPRO	External routine
RETRCKW		
	ERRPRO	External routine
RETREC1		
	ERRPRO	External routine
	VERENT	Well-defined module
	ADDPARM	External routine
RETREC2		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRPRO	External routine
	ADDPARM	External routine
	VERENTP	Well-defined module
RETRECP		
	ERRPRO	External routine
RETRFLD		
	UERROR	Well-defined module
	ERRPRO	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLAD1	External routine
	SQLFCH	External routine
RETRNGA		
	ERRPRO	External routine
	RNGVERF	Well-defined module
RETSTD		
	ERRPRO	External routine
RETVALA		
	ERRPRO	External routine
	VALVERF	Well-defined module
RETVMOD		
	ERRPRO	External routine
RNGVERF		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
ROLBACK		
	UERROR	Well-defined module
	ERRPRO	External routine
	SPRINTF	External routine
	NROLBAK	External routine
RRCKW2		
	ERRPRO	External routine
	ADDPARM	External routine
	GETRCNM	External routine
	GETCRNM	External routine
SAVTAGS		
	UERROR	Well-defined module
	ERRPRO	External routine
SEL1DSC		
	UERROR	Well-defined module
	ERRPRO	External routine
	INSDESC	External routine
SELACNM		
	ERRPRO	External routine
SELAIMP		
	UERROR	Well-defined module
	ERRPRO	External routine
	DEL1ERT	External routine
	DEL1AIM	External routine
SELAIMT		
	UERROR	Well-defined module
	ERRPRO	External routine
	DEL1ERT	External routine
	DEL1AIM	External routine
SELAISM		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
SELAPRM		
	UERROR	Well-defined module
	ERRPRO	External routine
SELCATC		
	ERRPRO	External routine
SELCATM		
	ERRPRO	External routine
SELCRAD		
	ERRPRO	External routine
SELCRDN		
	ERRPRO	External routine
SELDB		
	UERROR	Well-defined module
	ERRPRO	External routine
	GENDB	External routine
SELDBAA		
	ERRPRO	External routine
	ADDPARM	External routine
SELDBMS		
	ERRPRO	External routine
SELDBNM		
	ERRPRO	External routine
SELDBRT		
	ERRPRO	External routine
SELDESC		
	UERROR	Well-defined module
	ERRPRO	External routine
	INSDESC	External routine
SELDFPM		
	UERROR	Well-defined module
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
SELDI		
	ERRPRO	External routine
SELDSTP		
	ERRPRO	External routine
	WRTDSTP	Well-defined module
SELECNM		
	ERRPRO	External routine
SELECXR		
	UERROR	Well-defined module
	ERRPRO	External routine
SELHOST		
	ERRPRO	External routine
	ADDPARM	External routine
SELHP		
	ERRPRO	External routine
SELHSTS		
	ERRPRO	External routine
	CPY1HST	External routine
SELIAUC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSQS	External routine
	SQLAB2	External routine
	FMTIAUC	External routine
SELIKEY		
	ERRPRO	External routine
SELKCM		
	ERRPRO	External routine
	ADDPARM	External routine
	VERITAG	Well-defined module
SELKCMA		
	UERROR	Well-defined module
	ERRPRO	External routine
SELMODS		
	ERRPRO	External routine
	CPY1SMD	External routine
SELMREC		
	ERRPRO	External routine
	UWARN	Well-defined module
	GENMAP	External routine
	GENCRPT	External routine
	GENCRUN	External routine
	GENCREC	External routine
SELMTAG		
	ERRPRO	External routine
	UWARN	Well-defined module
	GENMAP	External routine
SELPARM		
	UERROR	Well-defined module
	ERRPRO	External routine
SELPEC		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
SELRCNM		
	ERRPRO	External routine
	UWARN	Well-defined module
SELRELC		
	ERRPRO	External routine
SELRELL		
	ERRPRO	External routine
SELRMAP		
	ERRPRO	External routine
	UWARN	Well-defined module
	ADDPARM	External routine
	GENMREL	External routine
SELRSET		
	UERROR	Well-defined module
	ERRPRO	External routine
	FNDASA	External routine
	ADDRNUM	External routine
	DELTEXT	External routine
	VERRSUS	Well-defined module
	DELRST2	External routine
	VERRCBS	Well-defined module
	DELSTM2	External routine
SELRTPM		
	UERROR	Well-defined module
	ERRPRO	External routine
SELSET		
	ADDPARM	External routine
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine
	GENMREL	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLSQS	External routine
	SQLAB2	External routine
SELSETC		
	ADDPARM	External routine
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine
	GENMREL	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLSQS	External routine
	SQLAB2	External routine
SELSTM		
	UERROR	Well-defined module
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	FNDASA	External routine
	ADDRNUM	External routine
	DELTEXT	External routine
	VERRSUS	Well-defined module
	DELRST2	External routine
	VERRCBS	Well-defined module
	DELSTM2	External routine
SELTGEC		
	ERRPRO	External routine
SELUNIN		
	ERRPRO	External routine
SELURT		
	UERROR	Well-defined module
	ERRPRO	External routine
	DELUNIN	External routine
	DEL1ERT	External routine
	ECRTALL	External routine
	DRPRULE	External routine
SETCOMM		
	CPFONE	External routine
	STRNCMP	External routine
SETGLOB		
	UERROR	Well-defined module
	NFLOPEN	External routine
	NFLCLOS	External routine
	SPRINTF	External routine
SETOUT		
	CPFONE	External routine
	LOWUPP	External routine
	ERRPRO	External routine
	SETGLOB	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
SMVIEW		
	UERROR	Well-defined module
	GETNNUM	External routine
	VERSDT	Well-defined module
	INSDI	External routine
	INSPDI	External routine
	GETDOM	External routine
STARTBL		
	UERROR	Well-defined module
	ERRPRO	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLAD1	External routine
	SQLFCH	External routine
	BLDRCEC	External routine
STRINS		
	UERROR	Well-defined module
	ERRPRO	External routine
	DELTXT	External routine
	GETNCHR	External routine
STRQCRF		
	UERROR	Well-defined module
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	INSQCRF	External routine
	INSQCTG	External routine
STRTLST		
	MALLOC	External routine
TERATTR		
	UERROR	Well-defined module
	GETNNUM	External routine
	ERRPRO	External routine
	INSAUC	External routine
	VEROAC	Well-defined module
	INSOAC	External routine
	VERKCM	Well-defined module
	BLDATT1	External routine
	KEYLOOK	External routine
TERDIR		
	CPFONE	External routine
	ERRPRO	External routine
	ICOPENT	External routine
TERKEY		
	UERROR	Well-defined module
	GETNNUM	External routine
	ERRPRO	External routine
	INSKC	External routine
	INSKCM	External routine
TERMSES		
	TERMFP	External routine
TERREL		
	CPFONE	External routine
	UERROR	Well-defined module
	CPFNXT	External routine
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	UWARN	Well-defined module
	VERENT	Well-defined module
	ADDPARM	External routine
	GENDESC	External routine
	SELRELC	External routine
	SELRELL	External routine
	BLKCL1	External routine
	GENALTE	External routine
	NFLOPEN	External routine
	NFLCLOS	External routine
	LDECLST	External routine
	COPEKW	External routine
	COPVALI	External routine
	COPOA	External routine
	DEPKCM	External routine
	DEPKCM1	External routine
	GENDEP	External routine
	GENCAT	External routine
	GENIND	External routine
	GENGENC	External routine
TERSIM		
	CPFONE	External routine
	UERROR	Well-defined module
	ERRPRO	External routine
	ADDPARM	External routine
	GENDESC	External routine
	NFLOPEN	External routine
	NFLCLOS	External routine
	COPEKW	External routine
	COPVALI	External routine
	COPOA	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	GENKEY	External routine
TERSTR		
	CPFONE	External routine
	UERROR	Well-defined module
	CPFNXT	External routine
	ERRPRO	External routine
	VERENT	Well-defined module
	ADDPARM	External routine
	GENDESC	External routine
	BLKCL1	External routine
	GENALTE	External routine
	NFLOPEN	External routine
	NFLCLOS	External routine
	LDECLST	External routine
	DEPEC	External routine
	COPEKW	External routine
	COPVALI	External routine
	COPOA	External routine
	BLRCKC1	External routine
	DEPENTD	External routine
	DEPRELA	External routine
TLOOPCK		
	ADDPARM	External routine
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLAB2	External routine
	FRELST1	External routine
	STRCPY	External routine
	LOOPDEP	External routine
	ADDNODE	External routine
	STRTLST	External routine
TOPNODE		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLFCH	External routine
	GENALTE	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLSQS	External routine
	SQLAB2	External routine
	GETECNM	External routine
TRADIR		
	CPFONE	External routine
	UERROR	Well-defined module
	GETNNUM	External routine
	ERRPRO	External routine
	WRTDESC	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	INSECNM	External routine
	INSEC	External routine
	WRTECKW	Well-defined module
TRAFIL		
	CPFONE	External routine
	UERROR	Well-defined module
	ERRPRO	External routine
	ADDPARM	External routine
	GENDESC	External routine
	NFLOPEN	External routine
	NFLCLOS	External routine
	COPEKW	External routine
	COPVALI	External routine
	COPOA	External routine
TRMDDL		
	ERRPRO	External routine
	CDS01	External routine
TXTTYP		
	CPFONE	External routine
UERROR		
	PRINTF	External routine
	CRTERR	External routine
	PMSGLS	External routine
UINDDL/MAIN		
	ERRPRO	External routine
	STRNCPY	External routine
	STRNCMP	External routine
	ERRTRAP	External routine
	SIGNAL	External routine
	INITSES	External routine
	PROCMD	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	TERMSES	External routine
	EXIT	External routine
	INITAL	External routine
	TRMDML	External routine
UPD1PSB		
	ERRPRO	External routine
UPDAC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDACAL		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
UPDACNM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDAPP		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDAUC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDAUCE		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDAUCS		
	ERRPRO	External routine
UPDCRNM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDDAA		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDDB		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDDBH		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDDBN		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDDDI		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDDF		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDDFU		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRRPT	External routine
	SQLAB2	External routine
UPDDI		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDDT		
	UERROR	External routine
	UPDDDI	External routine
	UPDEDF	Well-defined module
	UPDUDT	Well-defined module
	UPDMP	Well-defined module
UPDDTI		
	UERROR	External routine
	UPDDI	External routine
UPDECAL		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDECNM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDEDF		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLAB2	External routine
UPDFDF		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDFDFU		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDFLD		
	UERROR	External routine
	UPDFDF	External routine
	UPDFDFU	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	UPDFPDF	Well-defined module
UPDFPDF		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDHOST		
	UERROR	External routine
	UPDHST	Well-defined module
	UPDDB	External routine
	UPDDBH	External routine
	UPDPSB	Well-defined module
UPDHST		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRRPT	External routine
	SQLAB2	External routine
UPDIND		
	ERRPRO	External routine
UPDKCT		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDLRNM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDMGAM		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
	CDSDATE	External routine
UPDMOD		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
	CDSDATE	External routine
UPDMP		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDNXNO		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDPDF		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDPSB		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDRAUC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDRCB		
	SQLSCA	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDRCNM		
	VERRCT	Well-defined module
	STRNCMP	External routine
	UPDCRNM	External routine
	UPDLRNM	External routine
UPDRDFU		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDREC		
	UERROR	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	UPDRT	Well-defined module
	UPDDF	External routine
	UPDRRS	Well-defined module
	UPDDAA	External routine
	UPDRSTM	Well-defined module
	UPDRRCB	Well-defined module
	UPDRDFU	External routine
	UPDPDF	External routine
UPDRRCB		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDRRS		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDRSS		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDRSTM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDRT		
	SQLSCA	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDRULE		
	ERRPRO	External routine
UPDSET		
	UERROR	External routine
	UPDRSS	External routine
	UPDRCB	External routine
	UPDSTM	Well-defined module
	UPDDFU	External routine
	UPDAUC	External routine
UPDSMOD		
	ERRPRO	External routine
UPDSTM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDTCR		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
	STRLEN	External routine
UPDTDOM		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
UPDTDT		
	ERRPRO	External routine
UPDTKW		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDTRC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDUDT		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UPDVIEW		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	SQLWNR	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
UWARN		
	PRINTF	External routine
	CRTERR	External routine
	PMSGLS	External routine
VALDROP		
	UERROR	External routine
	CPFNXT	External routine
	ERRPRO	External routine
	VERDBRT	Well-defined module

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	VERPART	Well-defined module
	DELHPN	External routine
VALDTN		
	UERROR	External routine
	VERDTYP	Well-defined module
	ERRPRO	External routine
	UWARN	External routine
VALROJ		
	UERROR	External routine
	ERRPRO	External routine
VALVERF		
VALVWRC		
	UERROR	External routine
	ERRPRO	External routine
	SELECNM	External routine
	CDP4A	External routine
VERACDT		
	ERRPRO	External routine
	UWARN	External routine
VERACNM		
	ERRPRO	External routine
VERAIM		
	ERRPRO	External routine
VERAIMD		
	ERRPRO	External routine
VERAIMR		
	ERRPRO	External routine
VERAISM		
	ERRPRO	External routine
VERALG		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	VERAISM	External routine
VERALGI		
	ERRPRO	External routine
VERALI		
	ERRPRO	External routine
VERALMP		
	ERRPRO	External routine
VERAODM		
	ERRPRO	External routine
VERAPDF		
	ERRPRO	External routine
VERAPRM		
	ERRPRO	External routine
VERAREA		
	ERRPRO	External routine
VERARL		
	ERRPRO	External routine
VERATAG		
	UERROR	External routine
	ERRPRO	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLAD1	External routine
	SQLFCH	External routine
	SQLTFL	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLOPN	External routine
VERATT		
	ERRPRO	External routine
VERATTP		
	ERRPRO	External routine
VERAUC		
	ERRPRO	External routine
VERCMSV		
	ERRPRO	External routine
VERCMU		
	ERRPRO	External routine
VERCR		
	ERRPRO	External routine
VERCRC		
	ERRPRO	External routine
VERCRDA		
	ERRPRO	External routine
VERCRNM		
	ERRPRO	External routine
	VERENT	Well-defined module
	VERCR	External routine
VERCRTC		
	ERRPRO	External routine
VERDB		
	ERRPRO	External routine
VERDBA		
	ERRPRO	External routine
	ADDPARM	External routine
VERDBAA		
	ERRPRO	External routine
VERDBAL		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRPRO	External routine
VERDBAS		
	ERRPRO	External routine
VERDBH		
	ERRPRO	External routine
VERDBMS		
	ERRPRO	External routine
VERDBRL		
	ERRPRO	External routine
VERDBRT		
	ERRPRO	External routine
VERDBST		
	ERRPRO	External routine
VERDF		
	ERRPRO	External routine
VERDFDT		
	ERRPRO	External routine
	UWARN	External routine
VERDFID		
	ERRPRO	External routine
VERDFLD		
	ERRPRO	External routine
VERDFPA		
	ERRPRO	External routine
VERDFUS		
	ERRPRO	External routine
VERDI		
	ERRPRO	External routine
VERDIDN		
	ERRPRO	External routine
VERDIDT		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRPRO	External routine
	UWARN	External routine
VERDIID		
	ERRPRO	External routine
VERDIPA		
	ERRPRO	External routine
VERDOM		
	ERRPRO	External routine
VERDPSB		
	ERRPRO	External routine
VERDSCT		
	ERRPRO	External routine
VERDSL3		
	ERRPRO	External routine
VERDSTP		
	ERRPRO	External routine
VERDT		
	ERRPRO	External routine
VERDTD		
	ERRPRO	External routine
VERDTFL		
	ERRPRO	External routine
	GETDTN	External routine
VERDTN		
	ERRPRO	External routine
VERDTYP		
	ERRPRO	External routine
VERDUNI		
	ERRPRO	External routine
VERECN		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
VERECR		
	ERRPRO	External routine
VERECRT		
	ERRPRO	External routine
VERENT		
	ERRPRO	External routine
VERENTP		
	ERRPRO	External routine
VERERMD		
	ERRPRO	External routine
VERFJOB		
	ERRPRO	External routine
	CLSFIL	External routine
	OPNFIL	External routine
	GETHOST	External routine
	GENFIL	External routine
	CDMACR	External routine
VERHORZ		
	ERRPRO	External routine
VERHPDF		
	ERRPRO	External routine
VERHPN		
	ERRPRO	External routine
VERHPST		
	ERRPRO	External routine
VERHST		
	ERRPRO	External routine
VERHZP		
	ERRPRO	External routine
VERIREL		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLAD1	External routine
	SQLFCH	External routine
VERITAG		
	ERRPRO	External routine
VERKC		
	ERRPRO	External routine
VERKCM		
	ERRPRO	External routine
VERKCMG		
	ERRPRO	External routine
VERKCT		
	ERRPRO	External routine
VERKCT1		
	ERRPRO	External routine
VERKW		
	ERRPRO	External routine
VERKWE		
	ERRPRO	External routine
VERKWR		
	ERRPRO	External routine
VERLR		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRPRO	External routine
VERLUW		
	ERRPRO	External routine
VERMAPD		
	ERRPRO	External routine
VERMOD		
	ERRPRO	External routine
VERMPDF		
	ERRPRO	External routine
VERMPDT		
	ERRPRO	External routine
VERMUNI		
	ERRPRO	External routine
VERNMA		
	ERRPRO	External routine
VERNME		
	ERRPRO	External routine
VEROAC		
	ERRPRO	External routine
VEROBJ		
	UERROR	External routine
	CPFNXT	External routine
	VERKW	External routine
	VERDB	External routine
	VERATT	External routine
	VERENT	External routine
	VERCR	External routine
	VERHST	External routine
	VERDOM	External routine
	VERRT	Well-defined module
	VERLR	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	VERMOD	External routine
	VERRSET	Well-defined module
	VERVIEW	Well-defined module
	SPRINTF	External routine
	STRNCMP	External routine
	TOUPPER	External routine
	VERDI	External routine
	VERUDTN	Well-defined module
	VERDFLD	External routine
VEROBJ1		
	UERROR	External routine
	CPFNXT	External routine
	VERKW	External routine
	VERDB	External routine
	VERATT	External routine
	VERENT	External routine
	VERCR	External routine
	VERHST	External routine
	VERDOM	External routine
	VERRT	Well-defined module
	VERLR	External routine
	VERMOD	External routine
	VERRSET	Well-defined module
	VERVIEW	Well-defined module
	SPRINTF	External routine
	STRNCPY	External routine
	STRNCMP	External routine
	TOUPPER	External routine
	VERDI	External routine
	VERUDTN	Well-defined module
	VERDFLD	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
VERPARM		
	UERROR	External routine
	ERRPRO	External routine
VERPART		
	ERRPRO	External routine
VERPASS		
	ERRPRO	External routine
VERPCB		
	ERRPRO	External routine
VERPSB		
	ERRPRO	External routine
VERRCB		
	ERRPRO	External routine
VERRCBS		
	ERRPRO	External routine
VERRCC		
	ERRPRO	External routine
VERRCMP		
	ERRPRO	External routine
VERRCNM		
	ERRPRO	External routine
	VERENT	External routine
	VERLR	External routine
VERRCST		
	ERRPRO	External routine
VERRCT		
	ERRPRO	External routine
VERREC		
	ERRPRO	External routine
VERRNG		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
VERROJ	ERRPRO	External routine
VERROJR	ERRPRO	External routine
VERRPS	ERRPRO	External routine
VERRSET	ERRPRO	External routine
VERRSUS	ERRPRO	External routine
VERRT	ERRPRO	External routine
VERRTID	ERRPRO	External routine
VERRTNO	ERRPRO	External routine
VERRULE	ERRPRO	External routine
VERSCH	ERRPRO	External routine
VERSDT	ERRPRO	External routine
VERSMOD	ERRPRO	External routine
VERSMS	ERRPRO	External routine
VERSTID	ERRPRO	External routine
VERTAG	ERRPRO	External routine
VERTAP		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ERRPRO	External routine
VERTAUC		
	ERRPRO	External routine
VERTKCM		
	UERROR	External routine
	ERRPRO	External routine
	SQLSCA	External routine
	SQLBS1	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLTOC	External routine
	SQLOSQ	External routine
	SQLADR	External routine
	SQLAB1	External routine
	SQLEXE	External routine
	SQLCLS	External routine
	SQLAD1	External routine
	SQLFCH	External routine
VERTMAP		
	UERROR	External routine
	ERRPRO	External routine
	VERTAP	External routine
	VERTPDI	Well-defined module
	VERVWQU	Well-defined module
	VERTAUC	External routine
VERTPDI		
	ERRPRO	External routine
VERTYP		
	ERRPRO	External routine
VERUDT		
	ERRPRO	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	CONVCHR	External routine
VERUDTN		
	ERRPRO	External routine
VERUNIN		
	ERRPRO	External routine
VERVAL		
	ERRPRO	External routine
VERVIEW		
	ERRPRO	External routine
VERVWQU		
	ERRPRO	External routine
VMODPRM		
	UERROR	External routine
	ERRPRO	External routine
	VERSDT	External routine
	INSPARM	External routine
VOMAPS		
	UERROR	External routine
	ERRPRO	External routine
VROBJ		
	UERROR	External routine
	CPFNXT	External routine
	VERKW	External routine
	VERDB	External routine
	VERATT	External routine
	VERENT	External routine
	VERCR	External routine
	VERHST	External routine
	VERDOM	External routine
	VERRT	External routine
	VERLR	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	VERMOD	External routine
	VERRSET	External routine
	VERVIEW	External routine
	SPRINTF	External routine
	STRNCMP	External routine
	TOUPPER	External routine
	VERDI	External routine
	VERUDTN	External routine
	VERDFLD	External routine
VROBJ1		
	UERROR	External routine
	CPFNXT	External routine
	VERKW	External routine
	VERDB	External routine
	VERATT	External routine
	VERENT	External routine
	VERCR	External routine
	VERHST	External routine
	VERDOM	External routine
	VERRT	External routine
	VERLR	External routine
	VERMOD	External routine
	VERRSET	External routine
	VERVIEW	External routine
	SPRINTF	External routine
	STRNCPY	External routine
	STRNCMP	External routine
	TOUPPER	External routine
	VERDI	External routine
	VERUDTN	External routine
	VERDFLD	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
VTAGAUC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLFCH	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAD2	External routine
	SQLAB2	External routine
WRDSFL		
	ERRPRO	External routine
	GETHOST	External routine
	GENFIL	External routine
	OUTDESC	External routine
WRTACKW		
	UERROR	External routine
	ERRPRO	External routine
	INSKWAC	External routine
WRTALG		
	UERROR	External routine
	ERRPRO	External routine
	ADDPARM	External routine
	GTCNTPR	External routine
	GTDIPR	External routine
	GTAUCPR	External routine
WRTALI		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	UERROR	External routine
	ERRPRO	External routine
	UWARN	External routine
	VERATT	External routine
	INSACNM	External routine
WRTANAM		
	UERROR	External routine
	ERRPRO	External routine
	INSACNM	External routine
WRTDESC		
	SQLSCA	External routine
	SQLSCH	External routine
	SQLSCC	External routine
	SQLOSQ	External routine
	SQLEXE	External routine
	SQLTFL	External routine
	SQLOPN	External routine
	STRNCPY	External routine
	SQLBS2	External routine
	ERRRPT	External routine
	SQLAB2	External routine
WRTDITM		
	ERRPRO	External routine
	ADDPARM	External routine
WRTDSTP		
	ADDPARM	External routine
WRTECKW		
	UERROR	External routine
	ERRPRO	External routine
	INSKWEC	External routine
WRTENAM		

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	UERROR	External routine
	ERRPRO	External routine
	VERENT	External routine
	INSECNM	External routine
WRTLIN		
	STRNCPY	External routine
	PMSGLS	External routine
	PUTC	External routine
WRTOAT		
	ERRPRO	External routine
	GENDESC	External routine
	VERKCM	External routine
	FNDEC	External routine
	GENALI	External routine
	GENATT	External routine
WRTSLCT		
	ERRPRO	External routine
	ADDPARM	External routine
WRTWHCL		
	UERROR	External routine
	ERRPRO	External routine
	ADDPARM	External routine
	SELTGEC	External routine
YYERROR		
	UERROR	External routine
	FREE_SYMTAB	External routine
	SPRINTF	External routine
YYNULL		
YYPARSE		
	PRINTF	External routine
	ADD_TO_LST	External routine

DOCGROUP PS41100 Main Program Parts List

Main Pgm Name	Module Name	Module Type
	ADD_CORR	External routine
	PUT_SYMB	External routine
	CHAIN_SYMB	External routine
	ADD_TO_CNT	External routine
	YYERROR	External routine
	MEMCPY	External routine
	NEW_SCOPE	External routine
	YYNULL	External routine
	EXIT_SCOPE	External routine
	YYLEX	External routine
YYWRAP		

3.10.4 Module Documentation

The following documentation describes information which is specific to each individual module in the documentation group being documented in this specification. It provides a compact way of getting information that would be otherwise buried within each module's source code.

The specific items in this module documentation have the following meanings:

NAME:	Name of program Module.
PURPOSE:	Purpose of Module as detailed in the source code.
LANGUAGE:	Programming language source code is written in. The choices are: VAX-11 FORTRAN C (I/S-1 Workbench 'C') VAX-11 COBOL
MODULE TYPE:	Whether a Program, Subroutine, or Function.
SOURCE FILE:	Name of Source File from file specification.
SOURCE FILE TYPE:	Source File Extension from file specification.
HOST:	Whether this is a host-dependent routine (VAX or IBM) or blank if host-independent.
SUBSYSTEM:	IISS sub-system this file resides in.
SUBDIRECTORY:	Sub-directory of that subsystem in which this file resides.
DOCUMENTATION GROUP:	Name of documentation group of which this source file is a member.
DESCRIPTION:	A description of the module as obtained from the source code.
ARGUMENTS:	The arguments with which this routine is called if it is a Subroutine or a Function.
INCLUDE FILES:	A list of all the files that are included into this module as well as their purposes.
ROUTINES CALLED:	Subroutines or Functions, either documented or external, called by this module, if any.

CALLED DIRECTLY BY: The documented routines which call this module, if any.

USED IN MAIN PROGRAM(S): The documented Main Programs which contain this module in their parts list according to the list in section 3.10.3.

The Module Documentation is arranged alphabetically according to Module Name.

DOCGROUP PS41100 Module Documentation

NAME: ADDATT
PURPOSE: ASSOCIATES EXISTING ATT WITH ENTITY IN CREAT ENTITY COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDATT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ADDATT ASSOCIATES AN EXISTING ATTRIBUTE WITH AN ENTITY CLASS IN THE CREATE ENTITY COMMAND.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS

ROUTINES CALLED:

CPFONE
ADDOAC
UERROR
CPFNXT

DOCGROUP PS41100 Module Documentation

NAME: ADDDT
PURPOSE: ADD DATA TYPES TO CDM DATA BASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDDT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THE ADD DATA TYPE CLAUSE ADDS THE DATA TYPE NAME, TYPE, SIZE AND LENGTH OF FIELD, GIVEN THE DOMAIN NUMBER

SELECT THE DATA TYPE NAME, ID, SIZE, NAMES OF DECIMALS, AND WHETHER THE TYPE IS STANDARD OR USER-DEFINED. ADD THE PARTICULAR TYPE GIVEN THE DOMAIN NUMBER. REPEAT FOR EACH DATA TYPE TO BE ADDED.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
DATA-TYPE-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
STD-USER	DSPLY[X(4)]

ROUTINES CALLED:

UERROR
ADDSTD
ADDNSTD

DOCGROUP PS41100 Module Documentation

NAME: ADDFLDS
PURPOSE: PROCESSES ADD RECORDS FOR THE ALTER RECORD COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDFLDS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CONTROLS THE PROCESSING LOGIC FOR ADDING AREA OR
FIELD INFORMATION FOR THE ALTER COMMAND.
12/18/89 - ADDED "H" FOR OVERPUNCHED DATATYPE AS VALID FOR
CODASYL
EXTRACT ALL INFORMATION FROM CPFONE,
AND VERIFY INFORMATION BY CHECKING LEVELS,
SUB-COMPONENTS, INDEXING, REDEFINES, ETC.

ARGUMENTS:

DBMS-NAME	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRCDM
DFTBL
UNIQENO
TDFTBL
ERRPRO

ROUTINES CALLED:

CPFCOR
CPFVAL
CPFONE
LOWUPP
UERROR
CONVCPF
RETRFLD
GETNNUM
VERDTYP
CPFNXT
RECSEMS
DELFLDA
INSTFLD
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ADDKC
PURPOSE: CONTROLS PROCESS FOR KEY CLASS CLAUSE FOR
CREATE/ALTER ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDKC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ADDKC CONTROLS THE PROCESSING OF THE KEY CLASS CLAUSE FOR THE CREATE AND ALTER ENTITY COMMANDS. KEY CLASS CLAUSE CONSISTS OF AN KEY CLASS NAME, FOLLOWED BY AN OPTIONAL LIST OF ATTRIBUTE USE CLASS NAMES. THE CLAUSE IS RECURSIVE. KEY CLASS NAME IS ON A-KC-LST, NO. OF ATTRIBUTE FOR KEY CLASS IN A-NUM-LST AND LIST OF ATTRIBUTE IN A-AUC-LST.

ODIFIED 5/5/89: TO HANDLE PRIMARY AND ALTERNATE KEY CLASS TYPES

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

UNIQENO
LISTNOS

ROUTINES CALLED:

CPFONE
LOWUPP
VERKCT
CPFVAL
CPFNXT
VERKC
UERROR
GETNNUM
INSKC
ADDKM

DOCGROUP PS41100 Module Documentation

NAME: ADDKM
PURPOSE: ADDS SINGLE KEY CLASS MEMBER(AUC) TO KEY CLASS FOR
ADD KEY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDKM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ADDKM ADDS A SINGLE KEY CLASS MEMBER (ATTRIBUTE USE CLASS) TO A KEY CLASS. USED BY ANY COMMANDS CONTAINING AN ADD KEY CLASS CLAUSE.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
AUC-NAME	DSPLY[X(30)]
KC-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]

ROUTINES CALLED:

VTAGAUC
ADDOAC
UERROR
INSKCM

DOCGROUP PS41100 Module Documentation

NAME: ADDKW
PURPOSE: ADDS KEYWORDS FOR COMMANDS USING "ADD KEYWORD"(OPTIONAL)
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDKW
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ADDKW PROCESSES THE "ADD KEYWORD" CLAUSE FOR ANY COMMAND USING KEYWORDS. THE CLAUSE IS OPTIONAL AND MAY NOT EXIST.

ARGUMENTS:

OBJECT-TYPE	RECRD
OBJ-ID-NO	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

UNIQENO
LISTNOS

ROUTINES CALLED:

CPFONE
LOWUPP
VERKW
GETNNUM
INSKW
UERROR
ADDKWA
ADDKWE
ADDKWR
CPFNXT

DOCGROUP PS41100 Module Documentation

NAME: ADDKWA
PURPOSE: INSERT AN ATTRIBUTE KEYWORD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDKWA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CHECKS FOR THE PRESENCE OF A KEYWORD ON AN ATTRIBUTE, AND IF NOT FOUND, INSERTS IT.

-

ARGUMENTS:

AC-NO	DSPLY[S9(9)]
KW-NO	DSPLY[S9(9)]
RETRN-CODE	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

UERROR
INSKWAC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ADDKWE
PURPOSE: INSERT AN ENTITY KEYWORD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDKWE
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CHECKS FOR THE PRESENCE OF A KEYWORD ON AN ENTITY, AND IF NOT FOUND, INSERTS IT.

-

ARGUMENTS:

KW-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
RETRN-CODE	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

UERROR
INSKWEC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ADDKWR
PURPOSE: INSERT A RELATION KEYWORD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDKWR
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CHECKS FOR THE PRESENCE OF A KEYWORD ON A RELATION CLASS, AND IF NOT FOUND, INSERTS IT.

-

ARGUMENTS:

KW-NO	DSPLY[S9(9)]
RC-NO	DSPLY[S9(9)]
RETRN-CODE	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

UERROR
INSKWRC
ERRPRO

DOCGROUP PS41100 Module Documentation
NAME: ADDMAP
PURPOSE: PROGRAM NAME ADDMAP
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDMAP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLED FROM CRTMAP AND ALTMAP, THIS PROGRAM VALIDATES ALL COMMON PARAMETERS ENTERED FROM VARIOUS LISTS THEN CALLS SUBPROGRAMS TO ADD THE MAPPING DEFINITION.

JUNE 1987 - MODIFICATIONS MADE FOR "CREATE MAP" TO PROCESS ENTITY TO RECORD MAPPINGS.
MAY 1989 - ADDED CALL TO ROUTINE MAPAROJ FOR RECORD OUTER JOIN (REL 2.7).
-

ARGUMENTS:

MAP-TYPE	DSPLY[X]
EC-NO	DSPLY[S9(9)]
TAG-NO	DSPLY[S9(9)]
RC-NO	DSPLY[S9(9)]
PREF-NO	DSPLY[S9(9)]
TAG-NAME	DSPLY[X(30)]
EC-NAME	DSPLY[X(30)]
MAP-CMD	DSPLY[X(3)]
MAP-CATEGORY	DSPLY[X(8)]
MAP-CLASS	DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFVAL
CPFNXT
VERHZP
LOWUPP
CHKSTMP
VERAISM
CHKHPRT
VERDFID
VERHPDF
MAPADF
VERDB
FNDASA
VERHPST
MAPASET

CPFONE
CPFCOR
MAPRC
MAPAREC
MAPAROJ
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation
NAME: ADDMIG
PURPOSE: PROCESS THE ADD MIGRATES...SET..CLAUSE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDMIG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE "ADD MIGRATES" CLAUSE OF THE CREATE AND ALTER RELATION COMMANDS. MIGRATES THE KEY CLASS FROM THE INDEPENDENT TO THE DEPENDENT ENTITY CLASS. THE MIGRATES CLAUSE IS OPTIONAL. THE CLAUSE CONSISTS OF A KEY-CLASS NAME AND AN OPTIONAL SET CLAUSE.
MODIFIED: 4-24-89
:ADDED FORCE MIGRATION OF PRIMARY KEY IF AVAILABLE

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
RC-NO	DSPLY[S9(9)]
IND-EC-NO	DSPLY[S9(9)]
DEP-EC-NO	DSPLY[S9(9)]
COMMAND-TYPE	DSPLY[X(5)]
RETRN-CODE	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
LISTNOS
UNIQENO
RENLIST
ERRPRO

ROUTINES CALLED:

CPFONE
VERKCT
SELECNM
UWARN
VERKC
UERROR
VERRCC
MKRNLST
CKRNLST
VERAUC

GETNNUM
INSAUC
INSIAUC
INSCRC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ADDMIGC
PURPOSE: PROCESS THE MIGRATES...SET..CLAUSE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDMIGC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE "ADD MIGRATES" CLAUSE OF THE CREATE AND ALTER CATEGORY COMMANDS. MIGRATES THE PRIMARY KEY CLASS FROM THE GENERIC TO THE CATEGORY MEMBER ENTITY CLASS. THE CLAUSE CONSISTS OF AN OPTIONAL SET CLAUSE.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
RC-NO	DSPLY[S9(9)]
GEN-EC-NO	DSPLY[S9(9)]
CAT-EC-NO	DSPLY[S9(9)]
RETRN-CODE	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
LISTNOS
UNIQENO
RENLIST
ERRPRO

ROUTINES CALLED:

VERKCT
SELECNM
UERROR
GETNNUM
INSKC
MKRNLS1
CKRNLST
VERAUC
INSAUC
INSIAUC
INSKCM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ADDNSTD
PURPOSE: ADDS A USER DEFINED DATA TYPE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDNSTD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE ADDS A "USER" DEFINED DATA TYPE

AFTER VERIFYING THAT THE DATA TYPE
TO BE ADDED DOES NOT ALREADY EXIST,
CHECK IF A LEGAL DATA TYPE, WITH
CORRECT DECIMAL SPECIFICATIONS BEFORE
INSERTING, AS A "USER" DEFINED DATA
TYPE.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DATA-TYPE-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]

ROUTINES CALLED:

VERDT
UERROR
INSDT

DOCGROUP PS41100 Module Documentation

NAME: ADDOAC
PURPOSE: ADD ATTRIBUTE AS AN OWNED ATTRIBUTE AND AS ATT USE CLASS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDOAC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

GIVEN AN ATTRIBUTE NAME, ADD IT AS AN OWNED ATTRIBUTE AND AS AN ATTRIBUTE USE CLASS.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]
NEW-TAG-NO	DSPLY[S9(9)]

INCLUDE FILES:

UNIQENO
ERRPRO

ROUTINES CALLED:

VERATT
VEROAC
UERROR
INSOAC
GETNNUM
INSAUC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ADDPARM
PURPOSE: WRITES 78 CHAR NDDL COMMAND WITH PARAMENTERS
CHECKS/DELIMITER
LANGUAGE: VAX-11 COBOL
SOURCEFILE: ADDPARM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

LANGUAGE: VAX-11 COBOL

DESCRIPTION:

FROM CALLS TO SUBPROGRAM ADDPARM.

ARGUMENTS:

TEXT-PARM DSPLY[X(60)]
DELIMTR DSPLY[X]

ROUTINES CALLED:

WRTLIN

DOCGROUP PS41100 Module Documentation

NAME: ADDPRMS
PURPOSE: ADD PARAMETERS TO INTERNAL TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDPRMS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- OBTAIN PARAMETER NAME AND DATA TYPE NAME
FROM PARSER. VERIFY BOTH AND ADD TO
INTERNAL TABLE.

ARGUMENTS:

MOD-ID DSPLY[X(10)]
PARM-TABLE RECRD
NEW-PARM-TABLE RECRD
NO-OF-PARMS DSPLY[S9(9)]
RET-STATUS DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
LISTNOS

ROUTINES CALLED:

CPFNXT
UERROR
VERDT

DOCGROUP PS41100 Module Documentation

NAME: ADDSTD
PURPOSE: ADD STANDARD DATA TYPES TO CDM DB.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDSTD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE ADDS THE"STD" DATA TYPE
FOR A DOMAIN
CLASS.

MODIFIED 8/28/89 TO HANDLE THE V,D, AND M STANDARD DATA TYPES
VERIFY THAT THE DATA TYPE IS DEFINED AS
"STD", THEN MAKE SURE THAT THE DATA-TYPE
NAME TO BE ADDED DOES NOT PREVIOUSLY
EXIST. NOW CHECK IF IT IS A LEGAL TYPE
AND HAS CORRECT DECIMAL SPECIFICATIONS.
NOW INSERT THE DATA TYPE.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
DATA-TYPE-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]

ROUTINES CALLED:

VERSDT
UERROR
VERDT
CRTVLRG
INSDT
CRTVMOD

DOCGROUP PS41100 Module Documentation

NAME: ADDUNIN
PURPOSE: ADD ENTITIES TO DEFINE RECORD UNION.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADDUNIN
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- VERIFY ENTITIES AND DATA FIELDS AND ADD TO RECORD UNION.

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]
FUNC-TYPE	DSPLY[X(5)]
RT-NO	DSPLY[S9(9)]

INCLUDE FILES:

CHKCDM
LISTNOS

ROUTINES CALLED:

CPFONE
UERROR
VERECN
CPFVAL
CPFNXT
VERDFID
VERUNIN
VERUDT
INSUNIN

DOCGROUP PS41100 Module Documentation

NAME: ADPARM1
PURPOSE: CREATES 78 CHAR NDDL COMMANDS WITH PARAMETERS AND
DELIMITERS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ADPARM1
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

Writes a command line if:
1) routine is called with delimiter = semicolon
(end of command - next line not indented)
2) parameter will not fit on current command line
(next line indented)
3) routine is called with parameter and delimiter both blank
4) routine is called with delimiter = period
(end of line - next line not indented, delimiter
changed to space)
5) routine is called with delimiter = pound sign
(end of line - next line indented, delimiter changed
to space)

Note: April '87 - Delimiter is always appended to the text
being added to the command line. This was originally done to
accommodate both blanks and commas as delimiters.
For rel 2.3, code was added to recognize the pound sign (#)
delimiter.
Note: This routine is merely a copy of "ADDPARM". The
purpose of the copy is to allow multiple commands
to be be constructed at the same time.

ARGUMENTS:

TEXT-PARM DSPLY[X(60)]
DELIMTR DSPLY[X]

ROUTINES CALLED:

WRTLIN

DOCGROUP PS41100 Module Documentation

NAME: ALGCHK
PURPOSE: CHECK THE LEGALITY OF A COMPLEX MAPPING ALGORITHM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALGCHK
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

VALIDATE IF THE ALGORITHM CONFORMS WITH THE
RULES FOR CS-IS AND ES-CS MAPPINGS.
VERIFY THAT THE COMPLEX MAPPING ALGORITHM
AGREES WITH THE RULES STATED BELOW:
FOR ES-CS: A SINGLE INPUT DATAITEM
A SINGLE OUTPUT ATTRIBUTE
FOR CS-ES: A SINGLE INPUT ATTRIBUTE
A SINGLE OUTPUT DATAITEM
FOR CS-IS: 1:MANY INPUT ATTRIBUTES
1:MANY OUTPUT DATAFIELDS OR
A SINGLE OUTPUT RECORD
FOR IS-CS: 1:MANY INPUT DATAFIELDS OR
A SINGLE INPUT RECORD
1:MANY OUTPUT ATTRIBUTES
ALSO,
IF ALGORITHM SPECIFIED FOR SEARCH/UPDATE:
THE DATAFIELDS MUST EXIST IN THE SAME RECORD AND
THE TAGS MUST EXIST IN THE SAME ENTITY
IF THE ALGORITHM SPECIFIED FOR RETRIEVE :
THE DATAFIELDS MUST EXIST IN THE SAME RECORD
IF THE ALGORITHM TRANSFORMS BETWEEN
CS-IS, THE TAG MAPPING MUST BE INSERTED
IN AUC_IS_MAPPING.

ARGUMENTS:

CMP-TABLE	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

LISTNOS
ERRCDM
ALGTBL
ERRPRO

ROUTINES CALLED:

VERRTNO
VERENT
VERALMP
INSAISM
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALGDTN
PURPOSE: CHECK COMPATIBILITY OF ALGORITHM DATA TYPES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALGDTN
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

VALIDATE COMPATIBILITY OF DATATYPES
BETWEEN THE MODULES' PARAMETERS AND
THOSE OF THE ALGORITHM.

12/18/89 - ADDED DATATYPE OF "H" (FOR OVERPUNCH) AS VALID INTERNAL TYPE FOR CODASYL
- REMOVED DATATYPE OF "R" AS VALID INTERNAL CODASYL DATATYPE

ARGUMENTS:

CMP-TABLE	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

LISTNOS
ERRCDM
ALGTBL
ERRPRO

ROUTINES CALLED:

UERROR
VERDTYP
SELDBMS
VALDTN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLDB
PURPOSE: SELECT ALL DATABASES FROM DATA_BASE AND LOAD TABLE
FOR EACH
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLDB
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ARGUMENTS:

DB-TABLE RECRD
DESC-FLAG DSPLY[X]

INCLUDE FILES:

ERRCDM
SRVRET
DBTBL
ERRPRO

ROUTINES CALLED:

GENDB
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLDBMS
PURPOSE: COPY ALL DBMS AND ASSOCIATED HOSTS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLDBMS
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CALLED FROM CPYDBMS THIS ROUTINE WILL
GENERATE A NDDL 'DEFINE DBMS' COMMAND FOR EACH DBMS.
THEN CALLS "SELHOST" TO DETERMINE
IF ANY ASSOCIATION WITH THE HOST ID IS FOUND IN
THE DBMS_ON_HOST TABLE.

ARGUMENTS:

DESC-FLAG	DSPLY[X]
DB-FLAG	DSPLY[X]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ADDPARM
SELHOST
UERROR
SELDB
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLDOM
PURPOSE: SELECT ALL DOMAINS FROM THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLDOM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT DOMAIN NUMBER AND NAME OF ALL DOMAINS
IN THE CDM. FOR EACH DOMAIN RETURNED
CALL "GENDOM" TO GENERATE THE "CREATE DOMAIN"
NDDL COMMAND.

ARGUMENTS:

DESC-FLAG	DSPLY[X]
USER-FLAG	DSPLY[X]

NCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

GENDOM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLDT
PURPOSE: SELECT ALL DATATYPES FOR A DOMAIN FROM THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLDT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT ALL META DATA FOR EITHER THE STANDARD OR USER DATA TYPES FOR A GIVEN DOMAIN, DEPENDING ON THE INPUT PARAMETER "TYPE-IND". EITHER GENERATE THE "TYPE" CLAUSE OF THE "CREATE DOMAIN" NDDL COMMAND OR THE "DESCRIBE" NDDL COMMAND FOR THE DATATYPE DEPENDING ON THE INPUT PARAMETER "GEN-TYPE".

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
TYPE-IND	DSPLY[X(4)]
GEN-TYPE	DSPLY[XXX]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

GENDESC
GENDT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLECRT
PURPOSE: SELECT ALL ENTITY NUMBERS AND NAMES IN CDM AND START
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLECRT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Select all entity numbers and names in the cdm and for each one selected call genecrt to start generating entity to record mappings.

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

GENECRT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLKEY
PURPOSE: GENERATES KEY CLASS FOR AN ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLKEY
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS THE SHELL ROUTINE TO GENERATE THE KEY CLASS
FOR AN ENTITY.

ARGUMENTS:

DEP-EC-NO	DSPLY[S9(9)]
DEP-EC-NAME	DSPLY[X(30)]
RC-NO	DSPLY[S9(9)]
RC-DEPKC-LIST	RECRD

INCLUDE FILES:

KEYLIST
ECLIST
RCDEPKC
ERRPRO

ROUTINES CALLED:

CHKOWN
GENALT1
CHKINH
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLMENT
PURPOSE: SELECT ALL ENTITIES IN CDM AND START GENERATING
CREATE MAPS FOR EACH
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLMENT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Select all entities in the cdm and for each one selected call genment to start generating create map commands.

ARGUMENTS:

PART-FLAG	DSPLY[X]
UNION-FLAG	DSPLY[X]
MOD-TABLE	RECRD
UNION-TABLE	RECRD

INCLUDE FILES:

ERRCDM
SRVRET
MDTBL
UNTBL
ERRPRO

ROUTINES CALLED:

GENMENT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLMREC
PURPOSE: SELECTS ALL DATABASE/RECORD MAPS TO BE COPIED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLMREC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

PART-FLAG	DSPLY[X]
UNION-FLAG	DSPLY[X]
MOD-TABLE	RECRD
HP-TABLE	RECRD

INCLUDE FILES:

ERRCDM
SRVRET
MDTBL
HPTBL
ERRPRO

ROUTINES CALLED:

GENMAP
GENCRPT
GENCRUN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLMROJ
PURPOSE: GENERATE CREATE MAP COMMANDS FOR RECORD OUTER JOIN
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLMROJ
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

INCLUDE FILES:

ERRCDM
ADDPARM
ERRPRO

ROUTINES CALLED:

SELECNM
ADDPARM
SELDBRT
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLREC
PURPOSE: SELECT ALL RECORDS OF A DB AND CALL GENREC FOR EACH
RECORD SELECTED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLREC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This routine will select all records associated with a particular database. It is called by CPYREC and CPYDB (copy database). For each record selected it calls GENREC tpo generate DEFINE RECORD commands

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
DBMS-NAME	DSPLY[X(30)]
DESC-FLAG	DSPLY[X]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

GENREC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLREL
PURPOSE: ALLREL: FOR EACH LEVEL OF RELATIONS IN FROM-MODEL
GENERATE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLREL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
MODEL-NAME	DSPLY[X(30)]
KEYWORD-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]
RC-DEPKC-LIST	RECRD
RETURN-STATUS	DSPLY[9(9)]

INCLUDE FILES:

ERRCDM
EOD
DEPECL
RCDEPKC
ERRPRO

ROUTINES CALLED:

BLRCKC
MODRELA
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLRNG
PURPOSE: SELECT ALL RANGES OF A DOMAIN
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLRNG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT THE RANGES FOR A DOMAIN AND GENERATE THE "RANGE" CLAUSE OF THE "CREATE DOMAIN" NDDL STATEMENT

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLSET
PURPOSE: SELECT ALL SETS FROM THE CDM FOR A Db-ID
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLSET
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT META DATA OF ALL SETS FOR A SPECIFIED DATA BASE IN THE CDM. FOR EACH SET RETURNED CALL "GENSET" TO GENERATE THE "DEFINE SET" NDDL COMMAND.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
DBMS-NAME	DSPLY[X(30)]
DB-NAME	DSPLY[X(30)]
DESC-FLAG	DSPLY[X]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

GENSET
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLVALU
PURPOSE: SELECT ALL VALUES OF A DOMAIN
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLVALU
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SELECT THE VALUES FOR A DOMAIN AND GENERATE THE "VALUE" CLAUSE OF THE "CREATE DOMAIN" NDDL STATEMENT

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALLVIEW
PURPOSE: CREATE AN ES-CS-MAPPING FOR AUC TO DATA ITEM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALLVIEW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ALLVIEW CREATES THE ES TO CS MAPPING
WHEN THE USER WISHES TO MAP EACH
ATTRIBUTE USE CLASS OF
AN ENTITY CLASS TO DATA ITEMS IN THE VIEW. DATA
ITEM ARE STORED USING THE SAME NAME AS THE TAG
(ATTRIBUTE USE CLASS).

EXECUTE AN NDML SELECT TO RETRIEVE ALL
THE ATTRIBUTE USE CLASSES FOR AN ENTITY
CLASS. FOR EACH AUC RETRIEVED, GET
THE DATA-TYPE-NAME FOR THE DOMAIN, THEN
CREATE A NEW DATA_ITEM AND PROJECT_DATA_ITEM
OCCURRENCE.

ARGUMENTS:

VIEW-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
UNIQENO
ERRCDM
ERRPRO

ROUTINES CALLED:

VERSDT
UERROR
GETNNUM
INSDI
INSPDI
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALMROJC
PURPOSE: GENERATE CREATE MAP COMMANDS FOR RECORD OUTER JOIN
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALMROJC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

INCLUDE FILES:

ERRCDM
ADDPARM
ERRPRO

ROUTINES CALLED:

ADDPARM
SELDBRT
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALT1ERT
PURPOSE: DELETE A SPECIFIED ENTITY TO RECORD MAPPING
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALT1ERT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETES ONE ROW FROM EC_RT_MAPPING
FOR A GIVEN EC_NO AND RT_NO PROVIDED
NO OTHER MAPPING IS DEPENDENT ON IT
(I.E. AUC_IS_MAPPING AND/OR ECRTUD)

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTAISM
PURPOSE: PROGRAM NAME ALTAISM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTAISM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CHANGE AN AUC MAPPING PREFERENCE
IN THE CDM.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
PREF1-NO	DSPLY[S9(9)]
PREF2-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
CHKCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTALI
PURPOSE: CONTROLS ALTER ALIAS PROCESSING (ALIAS TO PRIM OR VICE VERSA)
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTALI
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CHANGES THE NAME_TYPE FROM 'ALIAS' TO 'PRIMARY' AND FROM 'PRIMARY' TO ALIAS FOR AN ENTITY OR ATTRIBUTE.

DEPENDING ON WHETHER THE OBJECT TYPE IS AN ENTITY OR ATTRIBUTE, THIS VERIFIES THE EXISTENCE OF THE OBJECT.
THE PRIM-NAME-TYPE FOR THE OBJECT-ID WILL BECOME 'ALIAS'. THE ALIAS-NAME-TYPE FOR THE ALIAS-ID WILL BECOME 'PRIMARY'.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS

ROUTINES CALLED:

CPFONE
LOWUPP
VERNME
UERROR
VERNMA
CPFNXT
UPDECAL
UPDACAL

DOCGROUP PS41100 Module Documentation

NAME: ALTCARD
PURPOSE: PROCESS CARDINALITY FO USER SPECIFIED RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTCARD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ALTCARD OBTAINS THE USER-SPECIFIED CARDINALTY (IF ANY) FOR THE RELATION FROM THE LISTS, VERIFIES IT AND TRANSFERS IT TO NUMERIC VARIABLES WHICH ARE RETURNED TO THE CALLING ROUTINE.

-

ARGUMENTS:

NO-IND-ENT	DSPLY[S9(9)]
MIN-NO-DEP-ENT	DSPLY[S9(9)]
MAX-NO-DEP-ENT	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS

ROUTINES CALLED:

CPFONE
LOWUPP
UWARN
CPFNXT
UERROR

DOCGROUP PS41100 '' Rule Documentation

NAME: ALTCAT
PURPOSE: CONTROLS PROCESSING LOGIC FOR THE ALTER CATEGORY
RELATION COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTCAT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE PROCESSING LOGIC FOR THE ALTER CATEGORY
RELATION COMMAND.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
RTN-STATUS	DSPLY[X(5)]

INCLUDE FILES:

LISTNOS
CHKMODL

ROUTINES CALLED:

UERROR
CPFONE
CPFNXT
VERENT
VERCR
UPDTCR
ADDKW
DRPKW
SELCATC
SELCATM
DELMTKC
SELCRAD
VERVAL
VERCMU
VERCMSV
INSCATM
ADDMIGC
VERRCC
DELCIA
DELCM1
DELCR
DELRC

DOCGROUP PS41100 Module Documentation

NAME: ALTCODL
PURPOSE: PROCESSES THE DBMS'S VAX-11 IDMS IDS-II FOR ALTER DB
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTCODL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

PROCESSES THE DBMS'S : VAX-11, IDS-II, AND IDMS FOR
ALTERING THE DATA BASE DEFINITION.
Obtain the schema and subschema name if any and update the
db id, schema, and subschema in CDM. Obtain the data base
location if any and update the CDM. For each area to be added
after the area has been verified as not existed insert the db
id
and area name in the CDM. Repeat for all areas to be added. For
each area to be droppped after the area has been verified as
existing, delete the db id and area name from the CDM.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
CPFNXT
MODSCH
UERROR
MODLOC
VERARL
VERAREA
INSAREA
DELAREA
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTDB
PURPOSE: CONTROLLING MODULE FOR ALTERING A DATABASE
DEFINITION.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTDB
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- ?

-
EXTRACT THE DATA BASE NAME FROM THE PARSER LIST. EXTRACT
THE HOST ID, NUL VALUE, AND NTM DIRECTORY FROM LISTS IF
IF THEY ARE THERE.
AFTER VERIFYING THAT THE DATA BASE EXISTS MODIFY THE HOST,
NULL VALUE, NTM DIRECTORY OR ALL 3 FOR THE NAMED DATA BASE.
PROCESS THE DBMS NAME DEPENDING ON WHETHER IT IS TOTAL, IMS,
ORACLE, IDS-II, IDMS, OR VAX-11.

INCLUDE FILES:

LISTNOS
ERRCDM
UNIQENO
ERRPRO

ROUTINES CALLED:

CPFONE
VERDBAL
UERROR
VERHST
MODDBAL
ALTCODL
ALTORCL
ALTIMS
CHGLOBL
UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTDBMS
PURPOSE: ADD OR DROP HOST ASSOCIATED WITH DBMS OR CHANGE MODEL
TYPE OF DBMS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTDBMS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

:- ALLOWS USER TO ADD AND DELETE HOST
ASSOCIATIONS WITH A DBMS. ALSO ALLOWS
THE DBMS MODEL TYPE TO BE CHANGED.
ALTDBMS SETS UP AND CALLS INSDBH TO
INSERT HOST / DBMS ASSOCIATION IN THE
DBMS_ON_HOST TABLE. THEN SETS UP AND
CALLS DELDBH TO DELETE HOST / DBMS
ASSOCIATION IN THE DBMS_ON_HOST TABLE.
VERDBMS AND VERHST ARE CALLED TO VERIFY
THAT THE HOST AND DBMS ARE DEFINED.

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
UERROR
VERDBMS
UWARN
ALTDBT
VERHST
INSDBH
CPFNXT
VERDBH
DELDBH
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTDBT
PURPOSE: PRODUCES AN NDML STATEMENT TO CHANGE THE DB_MODEL IN
THE DBMS TABLE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTDBT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- PRODUCES A MODIFY NDML STATEMENT TO
CHANGE THE DB_MODEL IN THE DBMS TABLE.

ARGUMENTS:

DBMS-NAME	DSPLY[X(30)]
DB-MODEL	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTDOM
PURPOSE: ALTER A DOMAIN
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTDOM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THE ALTER DOMAIN COMMAND OBTAINS A DOMAIN NAME, THEN CALLS THE CLAUSE PROCESSORS TO DROP DATA TYPES ADD DATA TYPES AND ALTER DATA TYPES.

FIRST OBTAIN DOMAIN NAME AND VERIFY THAT IT DOES EXIST. USING THE DOMAIN NUMBER DROP, ADD AND ALTER DATA TYPE.

INCLUDE FILES:

LISTNOS

ROUTINES CALLED:

CPFONE
VERDOM
UERROR
PROCDT
ALTVLRG

DOCGROUP PS41100 Module Documentation

NAME: ALTDT
PURPOSE: ALTER DATA TYPES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTDT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS CLAUSE WILL ALTER THE DATA TYPE GIVEN THE DOMAIN NUMBER

MODIFIED 8/9/89 LOGIC WAS ADDED TO HANDLE THE NEW DATA TYPES (V,D,M)
GIVEN THE DOMAIN NUMBER, EXTRACT THE DATA TYPE NAME, ID, TYPE-SIZE FOR A DATA TYPE. VERIFY IF IT IS STANDARD OR USER DEFINED TYPE AND THAT THE TYPE EXISTS. IF IT DOES, UPDATE THE DATA TYPE, AND FETCH THE NEXT RECORD TO BE UPDATED.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
DATA-TYPE-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
STD-USER	DSPLY[X(4)]

INCLUDE FILES:

ERRCDM

ROUTINES CALLED:

VERDTD
UERROR
VERSDT
UPDIND
RETDT
UPDTDT

DOCGROUP PS41100 Module Documentation

NAME: ALTENT
PURPOSE: CONTROL PROCESSING FOR ALTER ENTITY CLASS COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTENT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE PROCESSING LOGIC FOR THE ALTER ENTITY CLASS COMMAND. THE COMMAND CONSISTS OF AN ENTITY CLASS NAME FOLLOWED BY ONE OR MORE OPTIONAL CLAUSES. THE CLAUSES ARE ADD KEY CLASS, ADD OWNED ATTRIBUTE LIST, ADD KEYWORD, DROP KEY CLASS, DROP OWNED ATTRIBUTE, AND/OR DROP KEYWORD.

AN ERROR VERIFYING ENTITY CLASS CAUSES PROCESSING TO STOP. OTHERWISE, EACH CLAUSE IS PROCESSED, REGARDLESS OF ERRORS WHICH MAY HAVE OCCURRED WHILE PROCESSING A PREVIOUS CLAUSE.

ARGUMENTS:

MODEL-NO DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
CHKMODL

ROUTINES CALLED:

UERROR
CPFONE
VERENT
DRPAC
DRPKC
ADDATT
ADDKC
DRPKW
ADDKW
ALTTAG
ALTENTK
DELMTKC

DOCGROUP PS41100 Module Documentation

NAME: ALTENTK
PURPOSE: DRIVER MODULE TO ALTER THE KEY INFORMATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTENTK
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS IS THE DRIVER MODULE FOR ALTERING
THE KEY INFORMATION FOR THE SPECIFIED
ENTITY OBTAINED FROM THE NDDL COMMAND
ALTER ENTITY.

MODIFIED 5/10/89: TO HANDLE KC-TYPE CHANGES
- THIS ROUTINE WILL OBTAIN THE KEY CLASS TO
BE ALTERED AND MAKE THE APROPRIATE CALLS TO
EXTERNAL ROUTINES THE WILL DO THE ACTUAL
ALTERATIONS.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERKC
UERROR
VERKCT1
VERKCT
CHKCAT
UPDKCT
MODKCNM
KEYADS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTFLDS
PURPOSE: **********
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTFLDS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

12/18/89 - ADDED "H" (FOR OVERPUNCHED) TO VALID CODASYL DATATYPES.

INCLUDE FILES:

LISTNOS
ERRCDM
UNIQENO
DFTBL
TDFTBL
ERRPRO

ROUTINES CALLED:

GETRDH
UERROR
VERRT
RETRFLD
CPFONE
CONVCPF
LOWUPP
VERDTYP
FLDSEMS
UWARN
GETNNUM
INSTFLD
MODYFLD
DELFLDS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTHST
PURPOSE: ADD OR DROP DBMS ASSOCIATIONS WITH A HOST
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTHST
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

:- ALLOWS USER TO ADD AND DELETE DBMS
ASSOCIATIONS WITH A HOST. ALTHST
SETS UP AND CALLS INSDBH TO INSERT
DBMS / HOST ASSOCIATION IN THE
DBMS_ON_HOST TABLE. THEN SETS UP AND
CALLS DELDBH TO DELETE DBMS / HOST
ASSOCIATION IN THE DBMS_ON_HOST TABLE.
VERDBMS AND VERHST ARE CALLED TO VERIFY
THAT THE DBMS AND HOST ARE DEFINED.

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERHST
UERROR
VERDBMS
INSDBH
CPFNXT
VERDBH
DELDBH
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTIMS
PURPOSE: PROCESSES DBMS: IMS FOR ALTERING A DATABASE
DEFINITION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTIMS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

PROCESSES THE DBMS : IMS FOR THE ALTERING OF AN
IMS DATABASE
Obtain the psb name, psb sequence number, and key feedback
length from parser lists if any. Then update the psb name,
psb sequence number, and key feedback length for the specified
data base name.

ARGUMENTS:

DB-ID DSPLY[S9(9)]
RETURN-STATUS DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
CPFNXT
MODPCB
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTMAP
PURPOSE: PROGRAM NAME ALTMAP
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTMAP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- ALTMAP IS THE COMMAND PROCESSOR FOR THE ALTER MAP COMMAND. IT VALIDATES CERTAIN COMMON PARAMETERS AND THEN CALLS SUBPROGRAMS DEPENDING ON WHETHER THE ALTER ADD, ALTER DROP OR ALTER ALTER FUNCTIONS ARE TO BE PERFORMED. IT ALSO ALLOWS MAPPING PREFERENCE NUMBERS TO BE REASSIGNED NEW VALUES.

MODIFIED 5/1/89: TO HANDLE CATEGORY RELATIONS
-

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERENT
UERROR
CPFNXT
VERAUC
VERCR
VERROJ
VERHZP
CONVCPF
SELAISM
LOWUPP
MODAISM
VERRULE
UPDRULE
ALTAISM
VERLR
ADDMAP
DRPSMAP
ALTSMAP
VERAISM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTMOD
PURPOSE: CONTROLS PROCESSING FOR ALTER MODEL COMMANDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTMOD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THE ALTER MODEL COMMAND PROCESSOR WILL CONTROL
THE PROCESSING LOGIC OF ALTERING A MODEL WITH-
IN THE SYSTEM.

ARGUMENTS:

CURRENT-MODEL-NO	DSPLY[S9(9)]
CUR-MOD-NAME	DSPLY[X(30)]

INCLUDE FILES:

UNIQENO
LISTNOS

ROUTINES CALLED:

CPFONE
VERMOD
UERROR
UPDMOD
UWARN

DOCGROUP PS41100 Module Documentation

NAME: ALTORCL
PURPOSE: PROCESSES THE DBMS: ORACLE FOR ALTERING A DATA BASE
DEFINITION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTORCL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

THIS ROUTINE PROCESSES THE DBMS ORACLE FOR THE
ALTERING OF DATA BASE DEFINITION.
Extract the password from the parser list the update the
db id and the oracle password in the CDM.

ARGUMENTS:

DB-ID DSPLY[S9(9)]
RETURN-STATUS DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
MODPWRD
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTPART
PURPOSE: ALTER A HORIZONTAL PARTITION OF AN ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTPART
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- ALTERS A HORIZONTAL PARTITION OF AN ENTITY
EITHER ADDING OR DROPPING RECORD TYPES AT USER'S REQUEST

- VERIFIES THAT THE PARTITION AND
ENTITY EXISTS, VERIFIES THAT RECORDS
TO BE ADDED DO NOT EXIST, VERIFIES
THAT RECORDS TO BE DROPPED DO EXIST,
DROPS OR ADDS RECORDS AS PER USER
REQUEST, THEN CHECKS TO BE SURE
THAT AT LEAST 2 DATA BASE/RECORD
TYPE PARTITIONS EXIST ON THE CDM.

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

HPNLOOK
UERROR
CPFONE
VALDROP
VERDBRT
VERPART
INSPART
CPFNXT
VERHPN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTPSB
PURPOSE: PROGRAM NAME ALTPSB
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTPSB
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CHANGE A PSB NAME / HOSTID
ASSOCIATION IN THE PSB TABLE

-

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERPSB
UERROR
VERHST
VERDBH
UPD1PSB
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTREC
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR ALTERING A RECORD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTREC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CONTROLS THE PROCESSING LOGIC FOR ALTERING
A RECORD BY ADDING OR DROPPING AREAS AND/OR FIELDS OF A
RECORD .
AFTER EXTRACTING THE DB-ID AND RT-ID, VERIFY THAT THE RECORD
TYPE DID PREVIOUSLY EXIST. IF IT DID, PROCESS THE
AREA INFORMATION AND FIELD INFORMATION.

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

GETRDH
UERROR
VERRT
CPFONE
LOWUPP
CPFNXT
VERDBAA
DRPFLD
ADDFLDS
VERAREA
INSDAA
DELAAA
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTREL
PURPOSE: CONTROLS PROCESSING LOGIC FOR THE ALTER RELATION
COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTREL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE PROCESSING LOGIC FOR THE ALTER
RELATION COMMAND.

MODIFIED: 25-APR-89
DROPPED CALL TO VERREL AND ADD IT BACK BY ITS PARTS
CHANGES REQUIRED BECAUSE OF LINK AND CATEGORY RELATIONS

ARGUMENTS:

MODEL-NO DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
CHKMODL

ROUTINES CALLED:

UERROR
CPFONE
CPFNXT
VERENT
VERLR
GETCARD
ALTCARD
UPDTRC
ADDMIG
ADDKW
DRPMIG
DRPKW
DELMTKC

DOCGROUP PS41100 Module Documentation

NAME: ALTSMAP
PURPOSE: PROGRAM ALTSMAP
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTSMAP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CALLED FROM ALTMAP, THIS PROGRAM WILL CHANGE THE VALUES FOR AN EXISTING AUC TO SET MAPPING IN THE CDM.

-

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
HZ-PART-FLAG	DSPLY[X]
PREF-NO	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

VERAISM
UERROR
CPFNXT
CPFVAL
VERDB
FNDASM
VERSMS
VERRT
CHKAUCV
UPDAUCS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTSMOD
PURPOSE: ALTER SOFTWARE MODULE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTSMOD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CHANGE LANG-NAME AND/OR LATEST-REV-DATE IN SOFTWARE_MODULE TABLE. ADD OR DROP ASSOCIATED PARAMETERS IN MODULE_PARAMETER TABLE.

INCLUDE FILES:

ERRCDM
LISTNOS

ROUTINES CALLED:

CPFONE
VERSMOD
UERROR
UPDSMOD
DRPARMS
LOWUPP
SELPARM
PROCPRM
DELPARM
INSPARM

DOCGROUP PS41100 Module Documentation

NAME: ALTTAG
PURPOSE: RENAME A TAG IN AN ENTITY FROM THE ALTER ENTITY COM.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTTAG
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS MODULE WILL RENAME A TAG IN AN ENTITY SPECIFIED IN THE NDDL COMMAND ALTER ENTITY.

- THIS ROUTINE WILL RENAME THE A TAG IN AN ENTITY AFTER CHECKING TO SEE THAT THE TAG EXISTS AND THAT THE NEW TAG DOES NOT ALREADY EXIST IN THE ENTITY.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERATAG
MODAAUC
UERROR
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ALTUNIN
PURPOSE: ALTER RECORD UNION.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTUNIN
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- ALTER A RECORD UNION DEFINITION BY DROPPING AND ADDING ENTITIES.

INCLUDE FILES:

CHKCDM
LISTNOS

ROUTINES CALLED:

DBLOOK
CPFONE
ADDUNIN
SELURT
UERROR
VERECN
SELUNIN
DELUNIN
CPFNXT
DEL1ERT
ECRTALL
DRPRULE

DOCGROUP PS41100 Module Documentation

NAME: ALTVLRG
PURPOSE: ALTERS THE VALUES AND RANGES FOR A SPECIFIC DOMAIN
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTVLRG
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DROPS ALL VALUES AND RANGES ASSOCIATED
WITH ANY "DROP VALUE" OR "DROP RANGE"
CLAUSE OF AN "ALTER DOMAIN" COMMAND.
THEN ADDS VALUES AND RANGES ASSOCIATED
WITH ANY "ADD VALUE" OR "ADD RANGE"
AFTERWARDS, ALL VALUES AND RANGES
ARE RETRIEVED FROM THE CDM DATA BASE
AND CHECKED AGAINST INFORMATION ABOUT
THE STANDARD DATA TYPE TO MAKE SURE
THE ALTERED VALUES AND RANGES STILL
CONFORM WITH THIS INFORMATION.

MODIFIED 8/8/89 The code that made a call to ALTVMOD,
which generated the verification module,
was removed.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
STD-DT-CHANGED	DSPLY[X]

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS

ROUTINES CALLED:

CPFONE
RETVALA
UERROR
UWARN
DRPVALA
VERVAL
DRPVAL
CPFNXT
RETRNGA
DRPRNGA
VERRNG
DRPRNG
INSVAL
INSRNG
RETSTD

DOCGROUP PS41100 Module Documentation

NAME: ALTVMOD
PURPOSE: RECREATE VERIFICATION MODULE FOR DOMAIN VALUES & RANGES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ALTVMOD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- RECREATES VERIFICATION MODULE FROM VALUES AND RANGES UPDATED IN THE "ALTER DOMAIN" STATEMENT. THE VALUES AND RANGES ARE RETRIEVED FROM THE CDM DATABASE AFTER THEY HAVE BEEN ALTERED.

MODIFIED MAR 16, 1988 TO SUPPORT FIOP'S

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
CHKCDM
ERRCDM
MACDAT
SBSTLST
ERRFS
ERRPRO

ROUTINES CALLED:

CHKVAL
UERROR
CHKRNG
RETVMOD
VERFJOB
UWARN
INSSMOD
INSVMOD
VMODPRM
DRPVMOD
DELPARM
DELSMOD
CDMACRX
OUTFIL
CLSFIL
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOACHK
PURPOSE: DETERMINE CASES WHERE ATTRIBUTE OWNERSHIP CAN'T BE ALTERED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOACHK
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- AOACHK DETERMINES ALL CASES WHERE AN ATTRIBUTE OWNERSHIP CANNOT BE ALTERED. OWNERSHIP MAY NOT BE ALTERED WHERE:
A) A DEPENDENCY LOOP OCCURS
B) IF OLD OWNER ENTITY MIGRATES MULTIPLE TIMES TO THE NEW OWNER ENTITY, ONLY ONE OF THESE INHERITED ATTRIBUTES MAY BE KEY IN THE NEW OWNER. THE NDDL PROCESSOR DOES NOT KNOW WHICH KEY MIGRATIONS TO DROP AND WHICH TO RETAIN. THE MODELLER IS REQUIRED TO MAKE THIS DECISION BEFORE ALTERING THE ATTRIBUTE'S OWNERSHIP.
C) IF THE MIGRATION IS THRU A CATEGORY, CANNOT ALTER KEYS INVOLVING CATEGORY RELATIONS
D) IF ATTRIBUTE IS A DISCRIMINATOR IN A CATEGORY, CANNOT ALTER OWNERSHIP

ARGUMENTS:

LINK-OLD-MIG-TO-NEW-COUNTER	DSPLY[S9(9)]
CAT-OLD-MIG-TO-NEW-COUNTER	DSPLY[S9(9)]
LINK-NEW-BACK-TO-OLD-COUNTER	DSPLY[S9(9)]
CAT-NEW-BACK-TO-OLD-COUNTER	DSPLY[S9(9)]
OLD-TAG-MIGRATION-TBL	RECRD
EC-NO-OLD	DSPLY[S9(9)]
EC-NO-NEW	DSPLY[S9(9)]
TAG-NO-OLD	DSPLY[S9(9)]
KEY-FOUND-IN-OLD-OWNER-FLAG	DSPLY[X]
ERROR-FLAG	DSPLY[X]

INCLUDE FILES:

CHKCDM
ERRCDM
OLDTAGT
ERRPRO

ROUTINES CALLED:

UERROR
AOACREC
AOACTAG
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOACOPR
PURPOSE: Coordinate the entity processing of ownership clause
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOACOPR
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Coordinate the entity processing portion
of the ownership to entity clause.

MODIFIED 6/26/89: TO HANDLE CATEGORY AND LINK RELATIONS

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
AC-NAME-OLD	DSPLY[X(30)]
AC-NO-OLD	DSPLY[S9(9)]
EC-NO-NEW	DSPLY[S9(9)]
KEY-FOUND-IN-NEW-OWNER-FLAG	DSPLY[X]
KEY-FOUND-IN-OLD-OWNER-FLAG	DSPLY[X]
LINK-MIG-BACK-COUNTER	DSPLY[S9(9)]
CAT-MIG-BACK-COUNTER	DSPLY[S9(9)]
LINK-MIG-COUNTER	DSPLY[S9(9)]
CAT-MIG-COUNTER	DSPLY[S9(9)]
EC-NO-OLD	DSPLY[S9(9)]
TAG-NAME-OLD	DSPLY[X(30)]
TAG-NO-OLD	DSPLY[S9(9)]
OLD-TAG-MIGRATION-TBL	RECRD
ERROR-FLAG	DSPLY[X]
RET-STATSS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS
OLDTAGT
ERRPRO

ROUTINES CALLED:

RETATTR
VERKCM
SELRELC
SELRELL
OLDTAGM
AOACHK
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOACREC
PURPOSE: SELECT THE CATEGORY RELATION NUMBER THAT AN ENTITY IS
PART OF
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOACREC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS SELECTS THE CATEGORY RELATION NUMBER THAT
AN ENTITY IS PART OF WHETHER IT BE AS THE GENERIC
OR CATEGORY MEMBER. IF RC-NO IS GREATER THAN ZERO
THIS MEANS THAT THE OWNERSHIP CLAUSE IN ALTER ATTRIBUTE
WILL BE INVALID.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
RC-COUNTER	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOACTAG
PURPOSE: CHECKS TO SEE IF OLD TAG NO IS A DISCRIMINATOR FOR
CATEGORY RELAITON
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOACTAG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

IF OLD-TAG-NO IS A DISCRIMINATOR FOR A CATEGORY RELATION
THEN ALTER ATTRIBUTE OWNERSHIP CLAUSE IS INVALID.

ARGUMENTS:

TAG-NO-OLD	DSPLY[S9(9)]
RC-COUNTER	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOADPM
PURPOSE: Determines preservation of key migrations.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOADPM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This routine determines whether key migrations need to be preserved and preserves them, else if there is no relation between old and new owner or vice versa, all migrations of the old owner can be deleted.

-

ARGUMENTS:

MIGRATES-COUNTER	DSPLY[S9(9)]
TAG-NO-OLD	DSPLY[S9(9)]
KC-NAME-LST	DSPLY[X(30)]
KEY-FOUND-IN-NEW-OWNER-FLAG	DSPLY[X]
OLD-TAG-MIGRATION-TBL	RECRD
EC-NO-NEW	DSPLY[S9(9)]
KC-NO-NEW	DSPLY[S9(9)]
KCM-TAG-NO	DSPLY[S9(9)]
MIGRATIONS-PRESERVED	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
OLDTAGT
ERRPRO

ROUTINES CALLED:

PRESMIG
DELKCMT
UWARN
DELMIGK
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOAEVAL
PURPOSE: Evaluates attribute ownership clause
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOAEVAL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Evaluates attribute ownership clause.

MODIFIED 6/28/89: TO HANDLE BOTH CATEGORY AND LINK RELATIONS
-

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
AC-NAME-OLD	DSPLY[X(30)]
AC-NO-OLD	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS
KCNAMET
NEWTAGT
OLDTAGT
ERRPRO

ROUTINES CALLED:

CPFONE
VERENT
AOACOPR
CPFCOR
AOACREC
UERROR
AOAKC
AOADPM
AOAMGDP
UPDAUCE
AOAPICR
INSKCM
CPFNXT
MODACEC
DELMTKC
UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOAGAI
PURPOSE: Creates attribute use and inherited use occurences
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOAGAI
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This routine will create attribute_use_class
and inherited attribute_use_class occurences.

-

ARGUMENTS:

TAG-NAME-WS	DSPLY[X(30)]
EC-NO-WS	DSPLY[S9(9)]
AC-NO-OLD	DSPLY[S9(9)]
KC-NO-NEW	DSPLY[S9(9)]
KCM-TAG-NO	DSPLY[S9(9)]
RC-NO-WS	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
UNIQENO
ERRPRO

ROUTINES CALLED:

GETNNUM
INSAUC
UERROR
INSIAUC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOAKC
PURPOSE: ESTABLISH KEY CLASS FOR NEW OWNER ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOAKC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- AOAKC ESTABLISHES THE KEY CLASS FOR THE NEW OWNER ENTITY. IF A NEW KEY IS SPECIFIED, INSERT AN OCCURANCE IN CDM TABLE KEY_CLASS. IF AN EXISTING KEY IS SPECIFIED, RETRIEVE ALL MIGRATIONS TO EACH OF ITS DEPENDENT ENTITIES.

-

ARGUMENTS:

KC-NAME-LST	DSPLY[X(30)]
KEY-PROCESSED-TBL	RECRD
EC-NO-NEW	DSPLY[S9(9)]
NEW-TAG-MIGRATION-TBL	RECRD
KC-NO-NEW	DSPLY[S9(9)]
ERROR-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

UNIQENO
CHKCDM
ERRCDM
KCNAMET
NEWTAGT
ERRPRO

ROUTINES CALLED:

UERROR
VERKC
VERKCT
GETNNUM
INSKC
NEWTAGM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOAMGDP
PURPOSE: Migrate new owner's key to all dependent entities
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOAMGDP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Uses the table NEW_TAG_MIGRATION_TBL, which contains migration information of the key class specified by the user for the new owner entity, create attribute use and inherited attribute use occurences for the attribute whose ownership is being altered, and being placed as key in the new owner.

ARGUMENTS:

FIRST-TIME-FLAG	DSPLY[S9(9)]
RC-NAME-LST	DSPLY[X(30)]
MIG-BACK-COUNTER	DSPLY[S9(9)]
EC-NO-OLD	DSPLY[S9(9)]
NEW-TAG-MIGRATION-TBL	RECRD
EC-NO-NEW	DSPLY[S9(9)]
KC-NO-NEW	DSPLY[S9(9)]
AC-NO-OLD	DSPLY[S9(9)]
TAG-NO-OLD	DSPLY[S9(9)]
TAG-NAME-OLD	DSPLY[X(30)]
KCM-CREATED	DSPLY[X]
SUFFIX	DSPLY[S99]
ERROR-FLAG	DSPLY[X]
KCM-TAG-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
UNIQENO
NEWTAGT
ERRPRO

ROUTINES CALLED:

INSIAUC
VERATAG
AOAGAI
INSKCM
GETNNUM
INSAUC
UPDAUCE
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: AOAPICR
PURPOSE: New owner entity's new key migrates back to old
LANGUAGE: VAX-11 COBOL
SOURCE FILE: AOAPICR
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This routine handles the case where the
new owner entity's new key can migrate back to the old
owner entity. Then process the incomplete relations.
MODIFIED 7/18/89 : CHANGED CALL TO VERRC TO VERLR

ARGUMENTS:

RC-NAME-LST	DSPLY[X(30)]
KC-NO-NEW	DSPLY[S9(9)]
TAG-NO-OLD	DSPLY[S9(9)]
EC-NO-NEW	DSPLY[S9(9)]
EC-NO-OLD	DSPLY[S9(9)]
KCM-TAG-NO	DSPLY[S9(9)]
TAG-NAME-OLD	DSPLY[X(30)]
AC-NO-OLD	DSPLY[S9(9)]
FIRST-TIME-FLAG	DSPLY[S9(9)]
SUFFIX	DSPLY[S99]
KCM-CREATED	DSPLY[X]
ERROR-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
UNIQENO
ERRPRO

ROUTINES CALLED:

VERLR
VERIREL
INSCRC
GETNNUM
INSAUC
INSIAUC
INSKCM
VERATAG
AOAGAI
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: ATTKW
PURPOSE: CONTROLS PROCESSING TO POPULATE KEYWORD TABLE FOR AUC KEYWORD
LANGUAGE: VAX-11 COBOL
SOURCE FILE: ATTKW
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CONTROLS THE PROCESSING LOGIC TO POPULATE A KEYWORD TABLE WITH ATTRIBUTE CLASS KEYWORDS OF ONE MODEL, THEN SEARCHES THIS TABLE FOR MATCHES FROM THE SECOND MODEL.

ARGUMENTS:

MOD-NO1	DSPLY[S9(9)]
MOD-NO2	DSPLY[S9(9)]
MOD-NAME1	DSPLY[X(30)]
MOD-NAME2	DSPLY[X(30)]

INCLUDE FILES:

KWDTBL
ERRPRO

ROUTINES CALLED:

RETACKW
RACKW2
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: BLDATT
PURPOSE: CREATE ATT CLASS AND ATT NAME FOR A MODEL(CREATE/COPY ATT)
LANGUAGE: VAX-11 COBOL
SOURCE FILE: BLDATT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

BLDATT CREATES AN ATTRIBUTE CLASS AND ATTRIBUTE CLASS NAME OCCURENCE FOR A MODEL. BLDATT IS USED BY BOTH THE CREATE ATTRIBUTE AND THE COPY ATTRIBUTE COMMAND PROCESSORS

ARGUMENTS:

AC-NAME	DSPLY[X(30)]
MODEL-NO	DSPLY[S9(9)]
DOM-NO	DSPLY[S9(9)]
NEW-AC-NO	DSPLY[S9(9)]

INCLUDE FILES:

UNIQENO

ROUTINES CALLED:

VERATT
UERROR
GETNNUM
INSAC

DOCGROUP PS41100 Module Documentation

NAME: BLDATT1
PURPOSE: CREATES AN ATTRIBUTE AND ITS KEYWORDS, ALIAS AND
DESCRIPTIONS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: BLDATT1
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

BLDATT CREATES AN ATTRIBUTE CLASS AND ATTRIBUTE
CLASS NAME OCCURENCE FOR A MODEL.
ALSO COPIES ITS ALIASES, DESCRIPTIONS AND
KEYWORDS UNLESS EXCEPTED.

ARGUMENTS:

AC-NAME	DSPLY[X(30)]
MODEL-NO	DSPLY[S9(9)]
OLD-AC-NO	DSPLY[S9(9)]
DOM-NO	DSPLY[S9(9)]
NEW-AC-NO	DSPLY[S9(9)]
KW-FLAG	DSPLY[9]
ALIAS-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]

INCLUDE FILES:

UNIQENO

ROUTINES CALLED:

VERATT
UWARN
GETNNUM
UERROR
INSAC
INSACNM
WRTALI
WRTACKW
WRTDESC

DOCGROUP PS41100 Module Documentation

NAME: BLDRCEC
PURPOSE: RETREIVE ALL SUB-ENTITIES OF A STRUCTURE INTO A TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: BLDRCEC
SOURCE FILE TYPE: PCO
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE ASSUMES THE RDL-DEPKC-TABLE HAS
BEEN INITIALIZED.
ALL THE ENTITIES BELONGING IN THE STRUCTURE
ARE RETRIEVED INTO THE TABLE.
- REPLACE ORACLE STRUCTURED TREE QUERY WITH
ITERATIVE FETCH PROCESS FOLLOWED BY A SORT INTO
HIERARCHICAL ORDER. ALTHOUGH FOR THE GE REHOST
TO INGRES, IT MAKES THE ROUTINE SQL-STANDARD.

ARGUMENTS:

FROM-EC-NO	DSPLY[S9(9)]
RC-DEPKC-LIST	RECRD
DEP-EC-LIST	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
EOD
RCDEPKC
DEPECL
ERRPRO

ROUTINES CALLED:

FNDRCIE
UERROR
SQLSCA
SQLBS1
SQLSCH
SQLSCC
SQLTOC
SQLOSQ
SQLADR
SQLAB1
SQLEXE
SQLCLS
SQLAD1
SQLFCH
FNDEC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: BLKCL1
PURPOSE: STORE ALL KEY CLASS INFO FOR AN ENTITY IN A LIST
LANGUAGE: VAX-11 COBOL
SOURCE FILE: BLKCL1
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CREATES A KEY-CLASS-LIST TABLE CONTAINING THE KEY CLASS NUMBERS. KEY CLASS NAMES, KEY CLASS MEMBER TAG NUMBER AND TAG NAMES FOR A GIVEN ENTITY.

ARGUMENTS:

MOD-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

AKCROW
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: BLKCLST
PURPOSE: SELECT AND STORE KEY CLASS INFO FOR A GIVEN ENTITY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: BLKCLST
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SELECTS THE KEY CLASSES AND KEY CLASS MEMBERS FOR EACH ENTITY IN THE FROM-MODEL AND CALLS A ROUTINE TO BUILD THE UNBOUNDED KEY-CLASS-LIST STRUCTURE.

ARGUMENTS:

FROM-MOD-NO DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

AKCROW
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: BLRCKC
PURPOSE: POPULATE THE RC-DEPKC-LIST TABLE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: BLRCKC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

FOR EACH LEVEL OF RELATIONS IN FROM-MODEL FIND
THE KEY CLASSES FOR THE DEPENDENT ENTITY WHICH
CONTAIN ATTRIBUTES INHERITED VIA THE RELATION
AND CALL ROUTINES TO POPULATE THE RC-DEPKC-LIST
TABLE.
MODIFIED 9/19/89: TO HANDLE CATEGORY RELATIONS AND NEW
RC-DEPKC-LIST TABLE

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
MODEL-NAME	DSPLY[X(30)]
RC-DEPKC-LIST	
DEP-EC-LIST	
RET-STATUS	

INCLUDE FILES:

KEYLIST
ERRCDM
RCDEPKC
DEPECL
ERRPRO

ROUTINES CALLED:

INITRDL
STARTBL
SELIKEY
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: BLRCKC1
PURPOSE: POPULATE THE RC-DEPKC-LIST TABLE BY ADDING ENTRIES,
LANGUAGE: VAX-11 COBOL
SOURCE FILE: BLRCKC1
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

FOR EACH LEVEL OF RELATIONS IN FROM-MODEL FIND
THE KEY CLASSES FOR THE DEPENDENT ENTITY WHICH
CONTAIN ATTRIBUTES INHERITED VIA THE RELATION
AND CALL ROUTINES TO POPULATE THE RC-DEPKC-LIST
TABLE. DISCARD AN ENTRY IF IT DOES NOT BELONG.
MODIFIED 7/24/89: ADDED LOGIC TO HANDLE CATEGORIES AS WELL AS
LINKS

ARGUMENTS:

EC-NO DSPLY[S9(9)]
MODEL-NO DSPLY[S9(9)]

INCLUDE FILES:

KEYLIST
ERRCDM
RCDEPKC
DEPECL
ERRPRO

ROUTINES CALLED:

INITRDL
BLDRCEC
KYSTRUC
FNDEC
SELIKEY
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: BLVWLST
PURPOSE: BUILD THE VIEW LISTS NECESSARY FOR CREATE VIEW
LANGUAGE: VAX-11 COBOL
SOURCE FILE: BLVWLST
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL BUILD THE VIEW LISTS NECESSARY
FOR THE CREATE VIEW COMMAND. BLVWLST EXTRACTS INPUT FROM THE
PARSER USING SYMBOL AND CHAIN STRUCTURE AND LOADS IT IN THE
APPRO-
PRIATE TABLES.

MODIFIED 9/6/89 TO ALLOW USE OF THE LIKE ("LK") OPERATOR
MODIFIED 9/7/89 TO ALLOW THE USE OF FULL ENTITY NAMES IN
THE WHERE CLAUSE

ARGUMENTS:

CS-QUAL-CRITERIA-LIST	RECRD
BOOLEAN-LIST	RECRD
VIEW-FROM-LIST	RECRD
VIEW-DATA-ITEM-LIST	RECRD
VIEW-RETRIEVE-LIST	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
LISTNOS
ERRCDM
ATTRNOS
CSQCLST
BOOLST
VWFROM
VWDI
VWRETR
ERRPRO

ROUTINES CALLED:

GET_FIRST_SYMB
VERENT
GET_FRST_CHAIN
GET_NEXT_SYMB
LOWUPP
CDTRNSX
VERTAG
GTDTTYP
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CATFROM
PURPOSE: GENERATE CREATE CATEGORY, DESCRIBE COMMANDS IN THE
TO-MODEL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CATFROM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE SELECTS ALL THE RELATIONS IN WHICH THE FROM-ENTITY IS A CATEGORY MEMBER. IF THE SAME ENTITY EXISTS IN THE TO-MODEL BUT NOT THE RELATION, THEN A CREATE CATEGORY AND DESCRIBE COMMANDS ARE GENERATED FOR THE FROM-RELATION.

ARGUMENTS:

FROM-EC-NO	DSPLY[S9(9)]
TO-EC-NO	DSPLY[S9(9)]
FROM-EC-NAME	DSPLY[X(30)]
TO-EC-NAME	DSPLY[X(30)]
TO-MOD-NO	DSPLY[S9(9)]
FROM-MOD-NO	DSPLY[S9(9)]
KW-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]
COMBINE-TYPE	DSPLY[9]
RCNO-LIST	RECRD

INCLUDE FILES:

SRVRET
RELTBL
ERRPRO

ROUTINES CALLED:

SELECNM
VERCR
VERENT
VERCRNM
SELACNM
GENCNME
BLKCL1
CMBRKW
ADDPARM
GENDESC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CDNMOD
PURPOSE: DROP ALL REFERENCES OF NDML MODULE (AP)
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CDNMOD
SOURCE FILE TYPE: PCO
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: SHARE

DESCRIPTION:

USE SQL TO DELETE ALL ROWS FROM THE NDML MODULE
CDM TABLE FOR A USER MODULE BEING RE-PRECOMPILED.
REWRITTEN FOR RELEASE 2.3, NEW CDM TABLES AND USE SQL

-

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
EOD
ERRPRO

ROUTINES CALLED:

SQLSCA
SQLBS1
SQLSCH
SQLSCC
SQLTFL
SQLOPN
SQLOSQ
SQLADR
SQLAB1
SQLEXE
SQLWNR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CDP4A
PURPOSE: VERIFY USER VIEW STRUCTURE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CDP4A
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE WILL PERFORM THE NECESSARY
LGORITHM TO VERIFY A LEGAL USER VIEW
CLASS STRUCTURE:
1. ALL ENTITY CLASSES CONNECTED BY 1-1 SETS MUST
BE A REGULAR HIERARCHY
2. EACH GROUPING OF 1-1 STRUCTURES CAN BE SUBSTITUTED
AS A SINGLE NODE
3. THE RESULTING STRUCTURE OF ALL 1-MANY RELATIONSHIPS
MUST FORM A CONFLUENT HIERARCHY

ALL INPUT TO THIS ROUTINE WILL BE SET UP IN THE
SEC-DECOMP-LIST WHICH CONTAINS ALL ENTITY CLASSES THAT
ARE RELATED AND THE TYPE OF RELATIONSHIP.
-
USING A POPULATED SEC-DECOMP-LIST, THIS ROUTINE
WILL VALIDATE A VALID SURROGATE ENTITY CLASS, I.E.
A REGULAR-CONFLUENT HIERARCHY

ARGUMENTS:

SEC-DECOMP-LIST	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SDLIST
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CDTRNSX
PURPOSE: TRANSLATE EXCLUSIVE OR (XOR) AND NOT OPERATORS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CDTRNSX
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS FUNCTION WILL TRANSLATE THE "XOR" AND "NOT" OPERATORS IN THE WHERE CLAUSE OF THE NDML STATEMENT. IT WILL UPDATE BOTH THE ES-QUALIFY-LIST AND BOOLEAN-LIST TO REFLECT THE TRANSLATION OF "XOR" AND "NOT" TO ALL "AND" AND "OR" OPERATORS.

-

ARGUMENTS:

CS-QUAL-CRITERIA-LIST	RECRD
BOOLEAN-LIST	RECRD
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
CSQCLST
BOOLST
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CERELS
PURPOSE: GENERATES NDDL COMMANDS ON A FILE FOR ALL ENTITIES IN A RELATION.
LANGUACE: VAX-11 COBOL
SOURCE FILE: CERELS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE GENERATES NDDL COMMANDS ON A FILE FOR ALL ENTITIES IN A RELATION.

ARGUMENTS:

FROM-MODEL-NO	DSPLY[S9(9)]
CUR-MODEL-NO	DSPLY[S9(9)]
CUR-MODEL-NAME	DSPLY[X(30)]
FROM-EC-NO	DSPLY[S9(9)]
TO-EC-NO	DSPLY[S9(9)]
FROM-EC-NAME	DSPLY[X(30)]
TO-EC-NAME	DSPLY[X(30)]
KW-FLAG	DSPLY[9]
ALIAS-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]
FILE-NAME	DSPLY[X(30)]

INCLUDE FILES:

RELTBL
ERRPRO

ROUTINES CALLED:

OPNFIL
ADDPARM
GENENT1
UERROR
BLKCL1
DEPFROM
GENALTE
INDFROM
CLSFIL
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CESTRUC
PURPOSE: GENERATES NDDL COMMANDS ON A FILE FOR ALL ENTITIES
FOR THE STRUCTURE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CESTRUC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE GENERATES NDDL COMMANDS ON A FILE FOR ALL ENTITIES FOR THE STRUCTURE.

ARGUMENTS:

FROM-MODEL-NO	DSPLY[S9(9)]
FROM-MODEL-NAME	DSPLY[X(30)]
FROM-EC-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
KW-FLAG	DSPLY[9]
ALIAS-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]
FILE-NAME	DSPLY[X(30)]
CUR-MODEL-NAME	DSPLY[X(30)]

INCLUDE FILES:

RCDEPKC
ERRPRO

ROUTINES CALLED:

OPNFIL
ADDPARM
GENENT1
BLKCL1
GENALTE
DEPATT
DEPENT
DPKCLST
DEPREL
CLSFIL
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKATT
PURPOSE: CHECK IF ATTRIBUTES HAVE BEEN CREATED ACCORDING TO
STANDARDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKATT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CHECKS TO SEE IF THE FOLLOWING RULES ARE FULFILLED:
1) EACH ENTITY MUST HAVE AT LEAST ONE ATTRIBUTE USE CLASS
2) EACH ATTRIBUTE CLASS MUST HAVE A DOMAIN AND THAT DOMAIN MUST HAVE A STANDARD DATA TYPE.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
EC-NAME	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKAUCV
PURPOSE: CHECK EXISTENCE OF AN UNIQUE AUC VALUE FOR
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKAUCV
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CHKAUCV SEARCHES ALL AUC TO SET MAPPINGS FOR A PARTICULAR AUC
TO DETERMINE WHETHER AN AUC VALUE HAS BEEN USED MORE THAN
ONCE FOR A SINGLE PREFERENCE.
IF SO, FOUND SET TO 1.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
PREF-NO	DSPLY[S9(9)]
IN-AUC-VALUE	DSPLY[X(30)]
HZ-FLAG	DSPLY[X]
IN-RT-NO	DSPLY[S9(9)]
IN-DB-ID	DSPLY[S9(9)]
FOUND	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKCARD
PURPOSE: OBTAINS THE USER-SPECIFIED CARDINALTY (IF ANY) FOR
THE RELATION.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKCARD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CHKCARD OBTAINS THE USER-SPECIFIED CARDINALTY (IF ANY) FOR THE RELATION FROM THE LISTS, VERIFIES IT AND TRANSFERS IT TO NUMERIC VARIABLES WHICH ARE RETURNED TO THE CALLING ROUTINE. IF A CARDINALITY IS OMITTED BY THE USER, IT IS ASSIGNED A DEFAULT VALUE.

ARGUMENTS:

NO-IND-ENT	DSPLY[S9(9)]
MIN-NO-DEP-ENT	DSPLY[S9(9)]
MAX-NO-DEP-ENT	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS

ROUTINES CALLED:

CPFONE
LOWUPP
UWARN
CPFNXT
UERROR

DOCGROUP PS41100 Module Documentation

NAME: CHKCAT
PURPOSE: SELECT COUNT OF CATEGORY RELATIONS FOR A SPECIFIC KEY CLASS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKCAT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will select the count of category relations for specific key class.

ARGUMENTS:

KC-NO	DSPLY[S9(9)]
CAT-COUNT	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKCDOM
PURPOSE: CHECK TO MAKE SURE THE NEW DOMAIN WILL KEEP EXISTING
CATEGORIES VALI
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKCDOM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

This routine will select the specific values of a cateogry relation
and check them against the specific values allowed for the new domain that is to assigned to an attribute that is also a discriminator
for the category in question. If category were to become invalid
because of the domain change, send out error and do not allow change.

ARGUMENTS:

AC-NO	DSPLY[S9(9)]
DOM-NO	DSPLY[S9(9)]
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERVAL
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKCMPX
PURPOSE: DETERMINES IF ALGORITHM CAN BE OUTPUTTED
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKCMPX
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

MOD-TABLE	RECRD
DB-ID	DSPLY[S9(9)]
DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
MOD-ID	DSPLY[X(10)]
AUC-USE-CODE	DSPLY[X]
MOD-INST	DSPLY[S99]
PREF-NO	DSPLY[S9(9)]
AUC-PARM-TABLE	RECRD
RT-PARM-TABLE	RECRD
DF-PARM-TABLE	RECRD

INCLUDE FILES:

ERRCDM
SRVRET
MDTBL
AUPTBL
RTPTBL
DFPTBL
ERRPRO

ROUTINES CALLED:

SELAPRM
SELRTPM
SELDFPM
GENDALG
UERROR
SELDI
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKDOMS
PURPOSE: VERIFY THAT THE DATA ITEM AND ATTRIBUTE USE CLASS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKDOMS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CHKDOM WILL VERIFY THAT THE DATA ITEM AND ATTRIBUTE USE CLASS REFERENCED IN THE VIEW COMMAND ARE FROM THE SAME DOMAIN CLASS.

MODIFICATIONS: MAY 6,1987-R. STEWART- REMOVED CHECK FOR BAD TAG-NO
MAY 28,1987-R. STEWART- ADDED CALL TO GETNXNM FOR DATAITEM NUMBER AND CHANGED INTERFACE FOR INSDI, INSPDI

ARGUMENTS:

VIEW-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
TAG-NAME	DSPLY[X(30)]
DI-NAME	DSPLY[X(30)]
DATA-TYPE-NAME	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
UNIQENO

ROUTINES CALLED:

GETDOM
UERROR
GETNNUM
VERDTD
VERSDT
VALDTN
INSDI
INSPDI

DOCGROUP PS41100 Module Documentation

NAME: CHKHPRT
PURPOSE: CHECKS TO SEE IF A PREVIOUS MAPPING WAS A STRAIGHT MAP
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKHPRT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
TAG-NO	DSPLY[S9(9)]
PREF-NO	DSPLY[S9(9)]
FOUND-FLAG	DSPLY[X]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKINH
PURPOSE: checks the RC-DEPKC table and determines when a key class can be add
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKINH
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CHKINH checks the RC-DEPKC table and determines
when a key class can be added to a dep-ec.
If a key class for a given rc-no and dep-ec-no does
not appear further down in the RC-DEPKC table
then the key class(es) can be added to the dep-ec-no.

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
DEP-EC-NO	DSPLY[S9(9)]
RC-DEPKC-LIST	RECRD
KC-LIST	RECRD

INCLUDE FILES:

RCDEPKC
KEYLIST

DOCGROUP PS41100 Module Documentation

NAME: CHKKEYS
PURPOSE: CHECKS TO SEE IF A KEY CLASS FULFILLED RULES.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKKEYS
SOURCE FILE TYPE: PCO
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CHECKS TO SEE IF THE FOLLOWING RULES ARE FULFILLED:
1) A KEY CLASS MUST BE DEFINED FOR EACH ENTITY CLASS
2) MULTIPLE KEY CLASSES OF AN ENTITY CLASS MUST NOT BE SUBSETS OF ONE ANOTHER.
3) A PRIMARY KEY EXISTS IF ANY FOR AN ENTITY
REVISED: DEC 30,1986-CONVERTED TO PCO. ORACLE-LDA IS STILL BEING PASSED IN EVEN THOUGH IT IS NO LONGER USED.
5/89: ORACLE-LDA IS NO LONGER PASSED.

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
EC-NAME	DSPLY[X(30)]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

CHKCDM
ERRCDM
EOD
ERRPRO

ROUTINES CALLED:

SQLSCA
SQLBS1
SQLSCH
SQLSCC
SQLTOC
SQLOSQ
SQLADR
SQLAB1
SQLEXE
UERROR
ADDPARM
SQLCLS
SQLAD1
SQLFCH
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKMKM
PURPOSE: CHECK IF LINK RELATION MIGRATED KEYS HAVE BEEN SPLIT
IN DEPENDENT
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKMKM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CHECKS TO SEE IF THE FOLLOWING RULES ARE
FULFILLED:
1) MIGRATED KEY IS ALL NON-KEY OR ALL KEY

ARGUMENTS:

RC-NO	DSPLY[S9(9)]
RC-NAME	DSPLY[X(30)]
DEP-EC-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
EC-NAME	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

RETRECP
ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKMOD
PURPOSE: CHECKS A CDM MODEL TO ASSURE IT FOLLOWS IDEF1 RULES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKMOD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE DETERMINES WHETHER CERTAIN RULES ARE FULFILLED,
AND IF THEY ARE, THE IDEF MODEL IS MARKED AS "CHECKED".
AFTER EXTRACTING THE MODEL NAME FROM THE PARSER LISTS,
VERIFY THAT THE MODEL EXISTS. THEN CHECK THAT THE RULES
ARE OBSERVED, AND IF THEY ARE, UPDATE THE MODEL AS "CHECKED".

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERMOD
UERROR
NFLOPEN
ADDPARM
GETECS
CHKLOOP
UPDMOD
NFLCLOS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKOWN
PURPOSE: checks each of the OWN-ec's key classes against the
RC-DEPKC_LIST.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKOWN
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CHKOWN checks each of the OWN-ec's key classes against the RC-DEPKC_LIST. If the key class does not appear anywhere in the table, then the key class is owned by the dep-ec and can be added at this point.

ARGUMENTS:

DEP-EC-NO	DSPLY[S9(9)]
RC-DEPKC-LIST	RECRD
EC-LIST	RECRD
KC-LIST	RECRD
RTN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

RCDEPKC
ECLIST
KEYLIST

ROUTINES CALLED:

NEXTKC
UERROR

DOCGROUP PS41100 Module Documentation

NAME: CHKREL
PURPOSE: CHECK IF RELATIONS HAVE BEEN CREATED ACCORDING TO STANDARDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKREL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CHECKS TO SEE IF THE FOLLOWING RULES ARE FULFILLED:
1) NO NON-SPECIFIC RULES
2) NO INCOMPLETE RELATION CLASSES
3) NO ONE-TO-ONE RELATIONSHIPS.
4) MIGRATED KEY IS A PRIMARY OR AN ALTERNATE
5) MIGRATED KEY HAS NOT BEEN SPILT IN DEPENDENT ENTITY

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
EC-NAME	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

RETRECP
ADDPARM
VERRCC
VERKCT1
CHKMKM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKRELC
PURPOSE: CHECK IF CATEGORY RELATIONS HAVE BEEN CREATED
ACCORDING TO STANDARDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKRELC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CHECKS TO SEE IF THE FOLLOWING RULES ARE FULFILLED:
1) MORE THAN ONE MEMBER

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
EC-NAME	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKRNG
PURPOSE: CREATES 88 LEVELS OF VERIF. MODULE FOR RANGES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKRNG
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-RETRIEVES ALL RANGES FROM DOMAIN_RANGE
TABLE TO INCORPORATE IN A NEW VERIFICA-
TION MODULE.
MODIFIED MAR 16, 1988 TO SUPPORT FIOPS

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
FILE-NAME	DSPLY[X(80)]
FCB	DSPLY[S9(9)]
MOD-APNAME	DSPLY[X(10)]
BEGIN-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

CRTMACR
OUTFIL
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKSTMP
PURPOSE: CHECK IF TAG MAPPED TO SET HAS AT LEAST TWO SETS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKSTMP
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Selects from auc_st_mapping for a tag
to see if tag mapped to a set has at least
two db.rt_owner ocurrences

ARGUMENTS:

TAG-NO DSPLY[S9(9)]
SET-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CHKVAL
PURPOSE: CREATES 88 LEVELS OF VERIF. MODULE FOR VALUES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CHKVAL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-RETRIEVES ALL VALUES FROM DOMAIN_VALUE TABLE TO INCORPORATE IN A NEW VERIFICATION MODULE.

MODIFIED MAR 16, 1988 TO SUPPORT FIOP'S

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
FILE-NAME	DSPLY[X(80)]
FCB	DSPLY[S9(9)]
MOD-APNAME	DSPLY[X(10)]
BEGIN-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

SRVRET
ERRCDM
ERRPRO

ROUTINES CALLED:

CRTMACR
OUTFIL
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CKDUPEC
PURPOSE: POPULATES A TABLE WITH ENTITY NAMES.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CKDUPEC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE IS CALLED FROM MRGMOD2 WHICH IN TURN
IS CALLED BY MRGMOD (MERGE MODEL)
IT POPULATES A TABLE WITH ENTITY NAMES
AFTER VERIFYING THAT THE ENTITY IS NOT ALREADY
PRESENT.

ARGUMENTS:

DEP-EC-NO	DSPLY[S9(9)]
EC-LIST	RECRD
FOUND-FLAG	DSPLY[S9(9)]

INCLUDE FILES:

ECLIST

DOCGROUP PS41100 Module Documentation

NAME: CKRNLST
PURPOSE: SEARCHES THE TABLE OF RENAME PAIR LOOKING FOR AN
OLD-TAG ENTRY.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CKRNLST
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CKRNLST SEARCHES THE TABLE OF RENAME PAIRS LOOKING FOR AN OLD-TAG ENTRY WHICH MATCHES THE TAG-NAME FROM CURRENT KEY MEMBER OCCURRENCE. IF A MATCH IS FOUND, THE RENAME-TAG ENTRY IS MOVED TO NEW-TAG-NAME. IF A MATCH IS NOT FOUND, NEW-TAG-NAME RETAINS ITS DEFAULT VALUE, WHICH IS THE TAG-NAME OF CURRENT KEY MEMBER.

-

ARGUMENTS:

REN-LIST	RECRD
TAG-NAME	DSPLY[X(30)]
NEW-TAG-NAME	DSPLY[X(30)]

INCLUDE FILES:

RENLIST

DOCGROUP PS41100 Module Documentation

NAME: CMBACAL
PURPOSE: GENERATE CREATE ALIAS ATTRIBUTE.. AND ALIAS DESC TEXT COMMANDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CMBACAL
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

This routine selects all the alias for an attribute given the ac-no. Each time an alias name is selected the target model is checked. If the alis does not exist in the target model, NDDL statements to create the alias in the target model are generated. If descriptions are not excepted, NDDL statements to create descriptions of the alias are also generated.

ARGUMENTS:

TO-MOD-NO	DSPLY[S9(9)]
AC-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]
DESC-FLAG	DSPLY[9]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERATT
GENALI
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CMBALI
PURPOSE: GENERATE CREATE ALIAS ENTITY..COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CMBALI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE DETERMINES IF THE FROM-EC-NAME EXISTS IN THE TO-MODEL AS AN ALIAS OF THE TO-EC. IF IT DOESN'T, GENERATE "CREATE ALIAS ENTITY" COMMAND.

ARGUMENTS:

TO-MODEL-NO	DSPLY[S9(9)]
FROM-EC-NO	DSPLY[S9(9)]
TO-EC-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
COMBINE-TYPE	DSPLY[9]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

GENALI
VERALI
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CMBEKW
PURPOSE: GENERATE ADD KEYWORD CLAUSE FOR ENTITY KEYWORDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CMBEKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE GENERATES THE ADD KEYWORD PHRASE IN COMBINE ENTITY FOR EACH KEYWORD FOUND IN THE FROM MODEL, BUT NOT FOUND IN THE TO-MODEL.

ARGUMENTS:

FROM-EC-NO	DSPLY[S9(9)]
TO-EC-NO	DSPLY[S9(9)]
CREATE-FLAG	DSPLY[9]
COMBINE-TYPE	DSPLY[9]
KW-COUNT	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERKWE
ADPARM1
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CMBENT
PURPOSE:CONROLS THE PROCESSING LOGIC FOR THE COMBINE ENTITY COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CMBENT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CONROLS THE PROCESSING LOGIC FOR THE COMBINE ENTITY COMMAND. IT GENERATES THE NECESSARY NDDL COMMANDS TO POPULATE THE TO-MODEL WITH THE ALIASES, DESCRIPTIONS, RELATIONS AND ATTRIBUTES ASSOCIATED WITH THE FROM-MODEL ENTITY. ENTITIES MAY BE COMBINED WITHIN THE SAME MODEL(INTRA MODEL) OR BETWEEN TWO MODELS (INTER-MODEL). MODIFIED 6/29/89: TO HANDLE CATEGORY AND LINK RELATIONS NOTE: 0 = INTRA-MODEL COMBINE
1 = INTER-MODEL COMBINE
0 = USER WANTS KEYWORDS, ALIASES AND/OR DESCRIPTIONS
1 = USER WANTS THE ABOVE EXCEPTED.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
MODEL-NAME	DSPLY[X(30)]

INCLUDE FILES:

LISTNOS
RELTBL
CHKMODL
ERRPRO

ROUTINES CALLED:

UERROR
CPFONE
CPFNXT
EXCFLAG
VERMOD
VERENT
FNDECCR
FNDECM1
NFLOPEN
ADDPARM
FRTOREL
FNDECCM
BLKCL1
GENENT1
DEPFROM
CATFROM
GENALTE
INDFROM
GENFROM
NFLCLOS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CMBOA
PURPOSE: GENERATE COMMANDS FOR ATTRIBUTES, ITS
KEYWORDS,ALIAS,DESC
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CMBOA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE GENERATES A CREATE ATTRIBUTE COMMAND FOR EACH OWNED ATTRIBUTE, ALONG WITH THEIR KEYWORDS, ALIASES AND DESCRIPTIONS.
mar 18,1988 : merge model output was intermixed,, output should be displayed at end of ndml statement

ARGUMENTS:

TO-MOD-NO	DSPLY[S9(9)]
FROM-EC-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
KW-FLAG	DSPLY[9]
ALIAS-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]
COMBINE-TYPE	DSPLY[9]
CREATE-FLAG	DSPLY[9]
ATT-COUNT	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERATT
GENATT
GENDESC
CMBACAL
ADPARM1
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CMBRKW
PURPOSE: SELECT AND GENERATE RELATION CLASS KEYWORDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CMBRKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE SELECTS A RELATION CLASS KEYWORD GIVEN THE RELATION CLASS NUMBER.

ARGUMENTS:

FROM-RC-NO	DSPLY[S9(9)]
TO-RC-NO	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

VERKWR
ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CMCOUNT
PURPOSE: SELECT COUNT OF CAT_MEMBER FOR A GIVEN RC_NAME AND
GENERIC ENTITY NA
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CMCOUNT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SELECT COUNT OF CATEGORY MEMBERS FOR A GIVEN RC_NAME
AND GENERIC ENTITY NAME

ARGUMENTS:

MODEL-NAME	DSPLY[X(30)]
EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
CAT-COUNT	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CMPCRDA
PURPOSE: SELECT THE DISCRIMINATING ATTRIBUTE FOR RC_NAME AND
GENERIC ENTITY N
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CMPCRDA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

SELECT DISCRIMINATING ATTRIBUTE NAME FOR A GIVEN RC_NAME
AND GENERIC ENTITY NAME AND MODEL_NAME

ARGUMENTS:

MODEL-NAME	DSPLY[X(30)]
EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
DA-NAME	DSPLY[X(30)]

INCLUDE FILES:

SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CMPMOD
PURPOSE: CONTROLS THE PROCESSING LOGIC TO COMPARE TWO MODELS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CMPMOD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS COMMAND CONTROLS THE PROCESSING LOGIC TO COMPARE TWO MODELS, AND OUTPUTS THE DIFFERENCES.
MODIFIED 9/4/89: ADDED LOGIC TO HANDLE CATEGORY RELATIONS AFTER EXTRACTING AND VERIFYING THAT THE 2 MODELS EXIST, COMPARE THE ENTITIES, ATTRIBUTES AND KEYWORDS WITHIN THE MODEL.

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
CPFNXT
VERMOD
UERROR
NFLOPEN
LOWUPP
RETREC2
RETREC1
RETRAC2
RETRAC1
ENTKW
ATTKW
RELKW
RCLASS
RCLASA
CRCLASS
CRCLASA
ADDPARM
NFLCLOS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CONVCHR
PURPOSE: CONVCHR - VERIFY A NUMERIC VALUE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CONVCHR
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

FUNCTION CONVCHR VALIDATES A CHARACTER STRING TO DETERMINE WHETHER IT IS NUMERIC. THE FOLLOWING RULES ARE APPLIED:
1. A SIGN, IF PRESENT, MUST BE EITHER "+" OR "-" AND MUST IMMEDIATELY PRECEED A DECIMAL DIGIT OR DECIMAL POINT.
2. THE NUMBER, INCLUDING SIGN, DOES NOT HAVE TO BE LEFT JUSTIFIED IN THE FIELD, AS LONG AS THERE ARE NO EMBEDDED BLANKS.
3. THERE MAY BE, AT MOST, ONE DECIMAL POINT.
4. A DECIMAL NUMBER MUST EITHER PRECEED OR FOLLOW THE DECIMAL POINT. A DECIMAL NUMBER MAY BOTH PRECEED AND FOLLOW THE DECIMAL POINT.
5. AT LEAST ONE DECIMAL DIGIT MUST APPEAR IN THE NUMBER.
IF VIOLATIONS OF THE ABOVE RULES OCCURS, AN ERROR MESSAGE IS GENERATED.
APPLY RULES 1 THROUGH 5. GENERATE FATAL ERROR MESSAGE IF NECESSARY.

ARGUMENTS:

VALUE-IN	RECRD
ERROR-STATUS	DSPLY[S9(9)]

DOCGROUP PS41100 Module Documentation

NAME: CONVCPF
PURPOSE: CONVERT A CHARACTER VARIABLE TO INTEGER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CONVCPF
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE IS CALLED WHENEVER A CHARACTER VARIABLE X(4) IS TO BE CONVERTED TO AN INTERGER FIELD S9(9) COMP.
AN INTEGER TOKEN IS PLACED ON THE PARSER LIST (CPF) AS CHARACTER X(4). THIS TOKEN NEEDS TO BE RE-CONVERTED TO INTEGER.
do not call this routine if no variable was returned after a cpf call.

ARGUMENTS:

IN-FIELD	DSPLY[X(4)]
OUT-FIELD	DSPLY[S9(9)]

DOCGROUP PS41100 Module Documentation

NAME: COPAALI
PURPOSE: GENERATE CREATE ALIAS ATTRIBUTE COMMANDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPAALI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Generate create alias attribute commands.

ARGUMENTS:

AC-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]
COPY-TYPE	DSPLY[X(30)]
TO-MODEL-NO	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
VERATT
GENALI
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: COPAKW
PURPOSE: GENERATE ALTER ATTRIBUTE ADD KEYWORD COMMANDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPAKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Generate alter attribute keyword commands.

ARGUMENTS:

AC-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: COPATT
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR COPYING AN
ATTRIBUTE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPATT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CONTROLS THE PROCESSING LOGIC FOR COPYING
AN ATTRIBUTE TO A MODEL.
RETRIEVE THE ATTRIBUTE NAME TO BE COPIED. THEN DETERMINE
IF THE COPY WILL BE DONE IMMEDIATELY OR GENERATED ON A FILE.
ALSO DETERMINE WHETHER THE KEYWORDS, ALIASES OR DESCRIPTIONS
ARE TO BE COPIED.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
CUR-MODEL-NAME	DSPLY[X(30)]

INCLUDE FILES:

LISTNOS
CHKMODL
ERRPRO

ROUTINES CALLED:

UERROR
CPFONE
CPFNXT
EXCFLAG
VERMOD
VERACNM
ICOPATT
FCOPATT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: COPCKW
PURPOSE: GENEREATE ALTER CATEGORY ADD KEYWORD COMMANDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPCKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Genrate alter category add keyword commands.

ARGUMENTS:

IND-EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
RC-NO	DSPLY[S9(9)]
KW-CNT	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: COPEKW
PURPOSE: GENERATE ALTER ENTITY ADD KEYWORD COMMANDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPEKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Generate alter entity add keyword command. Generate alter entity add then generate the keyword EC-KW-NAME portion of the command.

ARGUMENTS:

FROM-EC-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
KW-CNT	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: COPENT
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR THE COPY ENTITY COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPENT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This routine controls the processing logic for the copy entity command. Retrieve information from parser lists and do some initial verification. Then branch to routines depending on type of copy: intra/inter, simple/with structure/with reation, on file/directly.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
CUR-MODEL-NAME	DSPLY[X(30)]

INCLUDE FILES:

LISTNOS
CHKMODL
ERRPRO

ROUTINES CALLED:

UERROR
CPFONE
VERMOD
VERENT
CPFNXT
LOWUPP
TRADIR
TRAFIL
TERSIM
TERDIR
TERSTR
TERREL
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: COPOA
PURPOSE: GENERATE CREATE ATTRIBUTE OR ALTER ENTITY OWNED
ATTRIBUTE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPOA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

If GEN_FLAG is 0 gnerate CREATE ATTRIBUTE commands, ALTER ATTRIBUTE ADD KEYWORDS commands (if keywords are not excepted), CREATE ALIAS ATTRIBUTE COMMANDS (if aliases are not excepted), and DESCRIBE ATTRIBUTE COMMANDS (if descriptions are not excepted). If GEN_FLAG is 1 generate ALTER ENTITY ADD OWNED ATTRIBUTE commands.

ARGUMENTS:

FROM-EC-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
TO-MODEL-NO	DSPLY[S9(9)]
GEN-FLAG	DSPLY[X]
ALIAS-FLAG	DSPLY[X]
KEYWORD-FLAG	DSPLY[X]
DESC-FLAG	DSPLY[X]
COPY-TYPE	DSPLY[X(30)]
FROM-MOD-NO	DSPLY[S9(9)]
NKEY-FLAG	DSPLY[X]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

GENATTR
ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: COPRKW
PURPOSE: GENEREATE ALTER RELATION ADD KEYWORD COMMANDS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPRKW
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- Genrate alter relation add keyword commands.

ARGUMENTS:

IND-EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
RC-NO	DSPLY[S9(9)]
DEP-EC-NAME	DSPLY[X(30)]
KW-CNT	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: COPVALI
PURPOSE: GENERATE CREATE ALIAS ENTITY COMMANDS FOR AN
INTER-MODEL COPY.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPVALI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

ARGUMENTS:

FROM-EC-NO	DSPLY[S9(9)]
TO-EC-NAME	DSPLY[X(30)]
MODEL-NO	DSPLY[S9(9)]
COPY-TYPE	DSPLY[X(30)]
FROM-MOD-NO	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ADDPARM
GENALI
VERENT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: COPYAC
PURPOSE: RETRIEVE INFO TO COPY AN ATTRIBUTE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: COPYAC
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

This routine selects information to
create an attribute, add as owned to
an entity and finally add all key classes for the entity class.

ARGUMENTS:

NEW-EC-NO	DSPLY[S9(9)]
OLD-EC-NO	DSPLY[S9(9)]
TO-MODEL-NO	DSPLY[S9(9)]
KW-FLAG	DSPLY[9]
ALIAS-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]
KEY-FLAG	DSPLY[9]
NKEY-FLAG	DSPLY[9]
KC-LIST	RECRD

INCLUDE FILES:

SRVRET
KCLIST
ERRPRO

ROUTINES CALLED:

TERATTR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPARM
PURPOSE: CALL ADDPARM USING VARIABLES FROM C PROGRAMS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPARM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- C PROGRAMS RCLASS AND RCLASA CALL THIS
PROGRAM TO STRUCTURE THE OUTPUT MESG
WHEN A RELATION CLASS EXISTS IN TWO MODELS
AND CALL "ADDPARM"

-

ARGUMENTS:

IND-EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
DEP-EC-NAME	DSPLY[X(30)]

ROUTINES CALLED:

ADDPARM

DOCGROUP PS41100 Module Documentation

NAME: CPDDRAL
PURPOSE: PROCESS COPY DESCRIPTION ALL TYPES DIRECTLY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPDDRAL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

LL TYPES DIRECTLY

DESCRIPTION :- This routine will copy every descripiton
type directly into the CDM. First, this routine will retrieve
the object type and verify it exists. Then, the object numbers
will be retrieved. Finally, all description will be copied.
MODIFIED 6/1/89 : CHANGE SECOND CALL TO VEROBJ BECAUSE
TO-OBJECTS
ARE NOT ON THE SAME LIST AS THE FROM-OBJECTS
-

ARGUMENTS:

FROM-MOD-NO	DSPLY[S9(9)]
CUR-MOD-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VEROBJ
VROBJ
SELDESC
UERROR
UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPDDRSP
PURPOSE: PROCESS COPY DESCRIPTION WITH SPECIFIED DESC DIRECTLY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPDDRSP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ITH SPECIFIED DESC DIRECTLY

DESCRIPTION :- This routine will retrieve the object type off the parser list. It then calls routines to verify the object type and retrieve the from and to object name(s). For each description type specified, the description will be retrieved from the from object name and copied to the to object name.
MODIFIED 6/1/89 : CHANGED SECOND CALL TO VEROBJ BECAUSE TO-OBJECTS
ARE NOT ON THE SAME LIST AS THE FROM-OBJECTS
-

ARGUMENTS:

FROM-MOD-NO	DSPLY[S9(9)]
CUR-MOD-NO	DSPLY[S9(9)]
DES-COUNT	DSPLY[S9(9)]
DESC-TYPE	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VEROBJ
VROBJ
SEL1DSC
CPFNXT
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPDOFAL
PURPOSE: PROCESS COPY ALL DESCRIPTION TYPE, ON FILE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPDOFAL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

YPE, ON FILE

DESCRIPTION :- This routine will process a copy all
descripiton types on file. First the object type is retrieved
and verified and the object number(s) and name(s) are
retrieved.
An ALTER MODEL command is then generated if the object is a
modelling object. Then, all the DESCRIBE commands are
generated.
MODIFIED 6/1/89 : CHANGED SECOND CALL TO VEROBJ BECAUSE
TO-OBJECTS
ARE NOT ON THE SAME LIST AS FROM-OBJECTS
-

ARGUMENTS:

FROM-MOD-NO	DSPLY[S9(9)]
CUR-MOD-NO	DSPLY[S9(9)]
FROM-MOD-NAME	DSPLY[X(30)]
CUR-MOD-NAME	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
CPFONE
VEROBJ1
VROBJ1
ADDPARM
GENDESC
NFLCLOS
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPDOFSP
PURPOSE: PROCESS COPY DESCRIPTION SPECIFIED TYPES ON FILE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPDOFSP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

PECIFIED TYPES ON FILE

DESCRIPTION :- This routine will process the case where the description types are specified and NDDL commands are written on file. The object type is retrieved and verified and the object number and names(s) are also retrieved. If no destination object name is specified, the default is the from object name. This will generate a DESCRIBE command for each description type specified.
MODIFIED 6/1/89 : CHANGED SECOND CALL TO VEROBJ1 BECAUSE OF TO-OBJECTS
NOW NOT ON THE SAME LIST AS FROM-OBJECTS

ARGUMENTS:

FROM-MOD-NO	DSPLY[S9(9)]
CUR-MOD-NO	DSPLY[S9(9)]
FROM-MOD-NAME	DSPLY[X(30)]
CUR-MOD-NAME	DSPLY[X(30)]
DES-COUNT	DSPLY[S9(9)]
DESC-TYPE	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
CPFONE
VEROBJ1
VROBJ1
ADDPARM
NFLCLOS
GEN1DSC
CPFNXT
UERROR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPY1HST
PURPOSE: COPY A USER SPECIFIED HOST ID IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPY1HST
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

ANY PSB'S ARE ASSOCIATED WITH THE GIVEN HOST ID
AND A 'DESCRIBE' COMMAND FOR THE HOST ID IF ANY
TEXTUAL DESCRIPTION EXISTS.

ARGUMENTS:

HOST-ID	DSPLY[X(30)]
HOST-NO	DSPLY[S9(9)]
DESC-FLAG	DSPLY[X]
PSB-FLAG	DSPLY[X]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ADDPARM
ERRPRO

ROUTINES CALLED:

ADDPARM
GENPSB
GENDESC
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPY1SMD
PURPOSE: COPY A NDDL USER DEFINED SOFTWARE MODULE IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPY1SMD
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLED FROM CPYMODU AND SELMODS, THIS SUBPROGRAM WILL GENERATE A 'DEFINE MODULE' COMMAND.

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
LANG-NAME	DSPLY[X(10)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ADDPARM
ERRPRO

ROUTINES CALLED:

ADDPARM
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYDB
PURPOSE: CONTROLLING MODULE FOR COPY DATABASE COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYDB
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This routine is the controlling module for
the copy database command.

-

INCLUDE FILES:

DBTBL
LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
UERROR
CPFONE
LOWUPP
ALLDB
GENDB
NFLCLOS
VERDBAL
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYDBMS
PURPOSE: CONTROLS PROCESSING LOGIC OF COPY DBMS COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYDBMS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE CONTROLS THE COPY DBMS COMMAND.

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

NFLOPEN
UERROR
CPFONE
LOWUPP
ALLDBMS
VERDBMS
ADDPARM
SELHOST
SELDB
CPFNXT
NFLCLOS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYDOM
PURPOSE: GENERATE NDDL COMMANDS TO MAKE A COPY OF DOMAINS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYDOM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- PARSE ALL THE LISTS AND CONTROL THE LOGIC
TO GENERATE THE NDDL COMMANDS FOR ALL THE
DOMAINS FOR A DATABASE OR THE DOMAIN NAMES LISTED
ON THE "COPY DOMAIN" COMMAND
-

XCEPTION LIST

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
UERROR
CPFONE
ALLDOM
NFLCLOS
ERRPRO
UWARN
VERDOM
GENDOM
CPFNXT

DOCGROUP PS41100 Module Documentation

NAME: CPYDSTP
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR THE COPY DESC_TYPE
COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYDSTP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-
CONTROLS THE PROCESSING LOGIC FOR THE COPY DESCRIPTION
TYPE COMMAND. THIS DRIVER CALLS VARIOUS ROUTINES TO
GENERATE ALL THE NDDL STATEMENTS NECESSARY TO CREATE THE
DESCRIPTION TYPES CONTAINED THE CDM

- AFTER DETERMININ THE NUMBER OF TYPES TO
COPIED, VERIFY THAT THE SPECIFIC TYPE
EXISTS AND GENERATE THE NDDL TO CREATE
THE TYPE OR ISSUE A WARNING FOR NONEXISTANT
DESCRIPTION TYPES.

INCLUDE FILES:

CHKCDM
ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
CPFONE
NFLCLOS
SELDSTP
VERDSTP
WRTDSTP
CPFNXT
UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYHST
PURPOSE: COPY USER SPECIFIED HOST(S) OR ALL HOSTS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYHST
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE CONTROLS THE PROCESSING LOGIC
FOR THE COPY HOST COMMAND

-
ARSER LIST, IF "DESC" WORD
FOUND SET DESC-FLAG.

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
UERROR
CPFONE
CPFNXT
LOWUPP
NFLCLOS
VERHST
CPY1HST
SELHSTS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYMAP
PURPOSE: CONTROLLING MODULE FOR COPY MAP COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYMAP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This routine controls the logic for the copy map command. It calls one of four routines depending on the object the map is to be copied for: entity, relation, record , or set.

MODIFIED 5/1/89: ADDED TYPE CATEGORY.
-

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
UERROR
CPFONE
LOWUPP
CPYMENT
CPYMREL
CPYMREC
CPYMSET
CPYMCAT
NFLCLOS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYMCAT
PURPOSE: CONTROL MODULE FOR COPY MAP TO CATEGORY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYMCAT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- MODIFIED TO HANDLE CATEGORY RELATIONS ONLY

-

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
ALLMCAT
ALMROJC
CPFNXT
VERENT
UERROR
VERCR
GENMROJ
SELRMAP
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYMENT
PURPOSE: PROCESS COPY MAP FOR ENTITY COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYMENT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This routine controls processing of the copy map for entity command. It calls allment if all entities are to be processed, or calls selpec and genment if only certain entities are to be processed.

ARGUMENTS:

PART-FLAG	DSPLY[X]
UNION-FLAG	DSPLY[X]

INCLUDE FILES:

LISTNOS
UNTBL
MDTBL
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
ALLECRT
ALLMENT
SELPEC
UERROR
GENECRT
CPFNXT
GENMENT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYMOD
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR THE COPY MODEL
COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYMOD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE PROCESSING LOGIC FOR THE COPY MODEL COMMAND.
GENERATES ALL THE NDDL STATEMENTS NECESSARY TO POPULATE
THE TARGET MODEL WITH THE ATTRIBUTES, ENTITIES, RELATIONS,
KEY CLASSES, KEYWORDS, ALIASES AND DESCRIPTIONS CONTAINED
IN THE FROM-MODEL.
LAUSE IF ANY

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
MOD-NAME	DSPLY[X(30)]

INCLUDE FILES:

DEPECL
LISTNOS
RCDEPKC

ROUTINES CALLED:

NFLOPEN
CPFONE
UERROR
MODOATT
MODATT
ADDPARM
MODENT
MODKC
COPTOPE
MODRCKC
MODRELA
VERMOD
CPFNXT
VERENT
LDECLST
DEPEC
NFLCLOS
UWARN

DOCGROUP PS41100 Module Documentation

NAME: CPYMODU
PURPOSE: COPY NDDL USER DEFINED SOFTWARE MODULES IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYMODU
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE CONTROLS THE PROCESSING LOGIC
FOR THE COPY MODULE COMMAND

-

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
UERROR
CPFONE
NFLCLOS
VERSMOD
CPY1SMD
CPFNXT
SELMODS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYMREC
PURPOSE: CONTROLS PROCESSING OF THE COPY MAP FOR RECORD
COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYMREC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE CONTROLS THE
COPY MAP FOR DATABASES/RECORD NAME(S).
"ALLMREC" IS CALLED IF ALL DATABASE/
RECORD MAPS ARE TO BE COPIED, ELSE
"SELMREC" IS CALLED IF ONLY SPECIFIC
DATABASE/RECORD MAPS ARE TO BE COPIED

-

ARGUMENTS:

PART-FLAG DSPLY[X]
UNION-FLAG DSPLY[X]

INCLUDE FILES:

LISTNOS
ERRCDM
MDTBL
HPTBL
ECRTBL
ERRPRO

ROUTINES CALLED:

CPFONE
ALLECRT
ALLMREC
VERREC
UERROR
SELMREC
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYMREL
PURPOSE: CONTROL MODULE FOR COPY MAP TO RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYMREL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- MODIFIED TO HANDLE LINK RELATIONS ONLY

-

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
ALLMREL
ALLMROJ
CPFNXT
VERENT
UERROR
VERLR
GENMROJ
SELRMAP
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYMSET
PURPOSE: CONTROLS PROCESSING OF THE COPY SET MAPS COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYMSET
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE CONTROLS THE
COPY SET MAPS COMMAND

MODIFIED 5/1/89: TO HANDLE BOTH CATEGORY AND LINK RELATIONS
-

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
ALLRSET
ALLCSET
VERDB
UERROR
VERRSET
SELSET
SELSETC
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYREC
PURPOSE: CONTROLLING MODULE FOR COPY RECORD COMMAND
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYREC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- This is the controlling module for the copy record command. It will call GETRDH for database information, generate an ALTER DATABASE command, get record information, and based on this record info will call either ALLREC or GENREC

-

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
UERROR
GETRDH
CPFONE
LOWUPP
ADDPARM
ALLREC
NFLCLOS
VERRT
GENREC
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CPYSET
PURPOSE: GENERATE NDDL COMMANDS TO MAKE A COPY OF SETS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYSET
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- PARSE ALL THE LISTS AND CONTROL THE LOGIC
TO GENERATE THE NDDL COMMANDS FOR ALL THE
SETS FOR A DATABASE OR THE SET NAMES LISTED
ON THE "COPY SET" COMMAND
-

XCEPTION LIST

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
UERROR
CPFONE
VERDBAS
GETGLOB
ADDPARM
ALLSET
NFLCLOS
ERRPRO
VERDBST
GENSET
CPFNXT

DOCGROUP PS41100 Module Documentation

NAME: CPYVIEW
PURPOSE: COPY USER SPECIFIED VIEW(S) OR ALL VIEWS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CPYVIEW
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- THIS ROUTINE CONTROLS THE PROCESSING LOGIC
FOR THE COPY VIEW COMMAND

-
ARSER LIST, IF "DESC" WORD
FOUND SET DESC-FLAG.

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

NFLOPEN
UERROR
CPFONE
CPFNXT
LOWUPP
NFLCLOS
VERVIEW
GENVIEW
GTVIEWS
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CREATTR
PURPOSE: Generate nddl commands to create the attribute and assoc.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CREATTR
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- After selecting all the attributes in the from model in the prc routine modatt this routine will generate the nddl commands to create the attributes and its associated keywords, aliases, and descriptions.

- This routine will process each row selected in the prc routine modatt. For each row(attribute) selected a nddl command to create this attribute will be generate along with its aliases, keywords, and descriptions depending on user defined except clauses in the copy model command.

ARGUMENTS:

AC-NO	DSPLY[S9(9)]
AC-NAME	DSPLY[X(30)]
AC-NAME-TYPE	DSPLY[X(30)]
ROW-COUNTER	DSPLY[S9(9)]
DOMAIN-NAME	DSPLY[X(30)]
KEYWORD-FLAG	DSPLY[9]
DESC-FLAG	DSPLY[9]
ALIAS-FLAG	DSPLY[9]

INCLUDE FILES:

CHKCDM
ERRCDM
ERRPRO

ROUTINES CALLED:

ADDPARM
GENATT
GENDESC
GENALI
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CRPARM
PURPOSE: CALL ADDPARM USING VARIABLES FROM C PROGRAMS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRPARM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- C PROGRAMS CRCLASS AND CRCLASA CALL THIS
PROGRAM TO STRUCTURE THE OUTPUT MESG
WHEN A CATEGORY RELATION EXISTS IN TWO MODELS
AND CALL "ADDPARM"

-

ARGUMENTS:

IND-EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
CAT-TYPE-CODE	DSPLY[X(10)]

ROUTINES CALLED:

ADDPARM

DOCGROUP PS41100 Module Documentation

NAME: CRPARM2
PURPOSE: CALL ADDPARM USING VARIABLES FROM C PROGRAMS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRPARM2
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- C PROGRAMS CRCLASS AND CRCLASA CALL THIS
PROGRAM TO STRUCTURE THE OUTPUT MESG
WHEN A CATEGORY RELATION EXISTS IN TWO MODELS
AND CALL "ADDPARM"

-

ARGUMENTS:

IND-EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
DA-NAME	DSPLY[X(10)]

ROUTINES CALLED:

ADDPARM

DOCGROUP PS41100 Module Documentation

NAME: CRPARM3
PURPOSE: CALL ADDPARM USING VARIABLES FROM C PROGRAMS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRPARM3
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- C PROGRAMS CRCLASS AND CRCLASA CALL THIS
PROGRAM TO STRUCTURE THE OUTPUT MESG
WHEN A CATEGORY RELATION EXISTS IN TWO MODELS
AND CALL "ADDPARM"

-

ARGUMENTS:

IND-EC-NAME	DSPLY[X(30)]
RC-NAME	DSPLY[X(30)]
CAT-COUNT	DSPLY[S9(9)]

ROUTINES CALLED:

ADDPARM

DOCGROUP PS41100 Module Documentation

NAME: CRTALI
PURPOSE: CREATES ALIASES FOR AN ENTITY OR ATTRIBUTE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTALI
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CREATES ALIASES FOR AN ENTITY OR ATTRIBUTE

DEPENDING ON WHETHER AN ENTITY OR ATTRIBUTE HAS BE CREATED, VERIFY THAT IT EXISTS, AND THEN INSERT THE ALIAS.

ARGUMENTS:

MODEL-NO DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS

ROUTINES CALLED:

CPFONE
LOWUPP
VERENT
UERROR
VERATT
CPFNXT
UWARN
INSECNM
INSACNM

DOCGROUP PS41100 Module Documentation

NAME: CRTATT
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR CREATING AN
ATTRIBUTE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTATT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE PROCESSING LOGIC FOR CREATING
AN ATTRIBUTE AND IT RELATED DATA IN A MODEL.
ONLY A SINGLE ATTRIBUTE HAVING ONE DOMAIN IS
IS CREATED. A KEYWORD LIST MAY OR MAY NOT BE
SPECIFIED FOR THE ATTRIBUTE.

modified: sandy singh on sep 21, 1988
to create an attribute with an "undefined" domain

ARGUMENTS:

MODEL-NO DSPLY[S9(9)]

INCLUDE FILES:

UNIQENO
LISTNOS
CHKMODL

ROUTINES CALLED:

UERROR
CPFONE
LOWUPP
VERDOM
BLDATT
INSACNM
ADDKW

DOCGROUP PS41100 Module Documentation

NAME: CRTCAT
PURPOSE: CONTROLS THE LOGIC FOR VALIDATING AND CREATING A NEW
CATEGORY RELATI
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTCAT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE LOGIC FOR VALIDATING AND CREATING A NEW CATEGORY RELATION WITHIN A MODEL. CREATE CATEGORY COMMAND CONSISTS OF A CATEGORY RELATION CLAUSE, MULTIPLE CATEGORY MEMEBERS AND AN OPTIONAL KEYWORD CLAUSE.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[X(5)]

INCLUDE FILES:

UNIQENO
LISTNOS
ERRCDM
CHKMODL

ROUTINES CALLED:

UERROR
CPFONE
CPFNXT
VERENT
VERKCT
VERAODM
VERCRDA
VERCR
GETNNUM
INSRC
LOWUPP
INSCATR
INSCRC
ADDKW
VERVAL
VERCMU
VERCMSV
INSCATM
ADDMIGC

DOCGROUP PS41100 Module Documentation

NAME: CRTDOM
PURPOSE: CREATE NEW DOMAIN ON CDM DATABASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTDOM
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

GIVEN A DOMAIN NAME VERIFY THAT THE DOMAIN DOES NOT ALREADY EXIST, AND INSERT THE DOMAIN AND A DATA TYPE CLAUSE

OBTAIN THE DOMAIN NAME, VERIFY THAT IT DID NOT PREVIOUSLY EXIST, FETCH AN UNIQUE DOMAIN NUMBER, AND INSERT. ALSO ADD THE DATE TYPE CLAUSE.

INCLUDE FILES:

LISTNOS
UNIQENO

ROUTINES CALLED:

CPFONE
VERDOM
UERROR
GETNNUM
INSDOM
PROCDT

DOCGROUP PS41100 Module Documentation

NAME: CRTDSCT
PURPOSE: CREATES DESCRIPTION TYPE IF IT DOES NOT EXIST
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTDSCT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

YPE IF IT DOES NOT EXIST

DESCRIPTION :- STORES LEGAL DESCRIPTION TYPES IN
THE CDM. CALLS VERDSCT TO VERIFY DESCRIPTION TYPE
THEN CALLS INSDSCT TO INSERT DESCRIPTION TYPE.
-
YPES FROM CPFONE.
YPE TO UPPER CASE.
NTERED BY USER
ALREADY EXISTS
YPE INTO DATA BASE
YPE FROM CPFNEXT.

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
LOWUPP
VERDSCT
UERROR
INSDSCT
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CRTENT
PURPOSE: CONTROL THE PROCESSING LOGIC FOR CREATING A NEW
ENTITY CLASS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTENT
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROL THE PROCESSING LOGIC FOR CREATING A NEW
ENTITY CLASS AND RELATED DATA IN A MODEL.

ARGUMENTS:

MODEL-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]

INCLUDE FILES:

UNIQENO
LISTNOS
CHKMODL

ROUTINES CALLED:

UERROR
CPFONE
VERENT
GETNNU 1
INSEC
INSECNM
ADDATT
ADDKC
ADDKW

DOCGROUP PS41100 Module Documentation

NAME: CRTMACR
PURPOSE: CREATE FIRST MACRO OF VERIFICATION MODULE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTMACR
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CREATE THE FIRST MACRO OF THE VERIFICATION MODULE
MODIFIED MAR 16,1988 TO SUPPORT FIOP'S

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
GEN-FILE-NAME	DSPLY[X(80)]
FCB	DSPLY[S9(9)]
MOD-APNAME	DSPLY[X(10)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

CHKCDM
ERRCDM
MACDAT
SBSTLST
ERRFS
ERRPRO

ROUTINES CALLED:

GETHOST
GENFIL
UERROR
OPNFIL
RETVMOD
CDPIC8
ERRPRO
CDMACRX
APNAME
OUTFIL

DOCGROUP PS41100 Module Documentation

NAME: CRTMAP
PURPOSE: CREATES NEW CS-IS MAPPINGS IN THE CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTMAP
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CRTMAP VALIDATES ENTITY, AUC OR RC NAMES.
DEPENDING ON MAPPING PREFERENCE, BRANCH
TO PERTINENT ROUTINE.

MODIFIED 5/1/89: TO HANDLE CATEGORY RELATIONS
-

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
ADDMAP
VERENT
UERROR
CPFNXT
LOWUPP
VERRULE
INSRULE
VERAUC
VERCR
CONVCPF
VERLR
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CRTMOD
PURPOSE: CONTROL THE PROCESSING LOGIC IF CREATING A MODEL
WITHIN THE SYSTEM.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTMOD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THE CREATE MODEL COMMAND PROCESSOR WILL
CONTROL THE PROCESSING LOGIC IF CREATING
A MODEL WITHIN THE SYSTEM

ARGUMENTS:

CURRENT-MODEL-NO	DSPLY[S9(9)]
CUR-MOD-NAME	DSPLY[X(30)]

INCLUDE FILES:

UNIQENO
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERMOD
UERROR
GETNNUM
INSMOD
UWARN
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CRTPART
PURPOSE: CREATES USER ENTERED HORIZONTAL PARTITIONS ON CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTPART
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CREATES NEW HORIZONTAL PARTITIONS ON CDM IF IT DOES NOT EXIST. (THERE MUST BE AT LEAST 2 DATA BASE/RECORD TYPES CREATED FOR AND ENTITY.)

- CALLS "VERECN" TO VERIFY THE ENTITY,
CALLS "VERHPN" TO VERIFY THAT THEPARTITION DOES NOT EXIST
CALLS "VERDBRT" TO VERIFY THE DATA BASE/RECORD TYPE
CALLS "VERPART" TO VERIFY THAT THE ENTITY NUMBER AND RECORD
NUMBER ARE UNIQUE
CALLS "INSPART" TO INSERT THE PARTITION NUMBER

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
CONVCPF
VERECN
UERROR
VERHPN
VERDBRT
VERPART
INSPART
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: CRTRELA
PURPOSE: CONTROLS THE LOGIC FOR VALIDATING AND CREATING A NEW
LINK RELATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTRELA
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE LOGIC FOR VALIDATING AND CREATING
A NEW LINK RELATION WITHIN A MODEL. CREATE
RELATION COMMAND CONSISTS OF A RELATION CLASS
CLAUSE, AN OPTIONAL MIGRATES CLAUSE AND AN
OPTIONAL KEYWORD CLAUSE.

-

ARGUMENTS:

MODEL-NO DSPLY[S9(9)]

INCLUDE FILES:

UNIQENO
LISTNOS
CHKMODL

ROUTINES CALLED:

UERROR
CPFONE
CPFNXT
VERENT
VERLR
GETNNUM
CHKCARD
INSLNKR
INSRC
ADDMIG
ADDKW

DOCGROUP PS41100 Module Documentation

NAME: CRTUNIN
PURPOSE: CREATE RECORD UNION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTUNIN
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DEFINE A RECORD TYPE AS A UNION OF CONCEPTUAL ENTITIES

ROUTINES CALLED:

DBLOOK
ADDUNIN

DOCGROUP PS41100 Module Documentation

NAME: CRTVIEW
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR THE CREATE VIEW
COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTVIEW
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CONTROLS THE PROCESSING LOGIC FOR
THE CREATE VIEW COMMAND

EXTRACT A VIEW-NAME, VERIFY THAT IT DOES
EXIST; THEN FETCH A UNIQUE VIEW NO.
FROM THE POOL AND
INSERT THE VIEW -
THEN PROCESS THE REMAINDER OF THE
VIEW COMMAND.

INCLUDE FILES:

ERRCDM
LISTNOS
UNIQENO
VWFROM
VWRETR
VWDI
BOOLST
CSQCLST
ATTRNOS

ROUTINES CALLED:

SET_LEVEL
GET_FIRST_SYMB
VERVIEW
UERROR
GETNNUM
INSVIEW
BLVWLST
REMVIEW
FREE_SYMTAB
INSECRF

DOCGROUP PS41100 Module Documentation

NAME: CRTVLRG
PURPOSE: PERFORMS EDITS ON NEW VALUES AND RANGES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTVLRG
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- RETRIEVES THE DOMAIN VALUES AND
DOMAIN RANGES FOR THE STANDARD DATA
TYPE OFF THEIR LISTS, THEN PERFORMS
CERTAIN EDIT ON THESE VALUES AND RANGES

ARGUMENTS:

TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
RET-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS

ROUTINES CALLED:

CPFONE
VALVERF
UERROR
CPFNXT
RNGVERF

DOCGROUP PS41100 Module Documentation

NAME: CRTVMOD
PURPOSE: CREATE VERIFICATION MODULE FOR NEW DOMAIN VALUES AND RANGES
LANGUAGE: VAX-11 COBOL
SOURCE FILE: CRTVMOD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-CREATE VERIFICATION MODULE FROM VALUES
AND RANGES STATED IN THE "CREATE DOMAIN"
STATEMENT. THE VALUES AND RANGES ARE
RETRIEVED FROM THEIR LSITS AND THE
CDM DATA BASE IS UPDATED WITH THESE
VALUES.

MODIFIED MAR 16,1988 TO SUPPORT FIOPS
MODIFIED AUG 8, 1989 CODE & LOCAL VARIABLES
SUPPORTING THE VERIFICATION
MODULE WERE REMOVED.

ARGUMENTS:

DOM-NO	DSPLY[S9(9)]
DOM-NAME	DSPLY[X(30)]
TYPE-ID	DSPLY[X]
MAX-SIZE	DSPLY[S9(9)]
NO-OF-DEC	DSPLY[S9(9)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
CHKCDM
ERRCDM
MACDAT
SBSTLST
ERRFS
ERRPRO

ROUTINES CALLED:

CPFONE
CPFNXT
INSVAL
UERROR
INSRNG
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DBLOOK
PURPOSE: DATA BASE - RECORD TYPE VERIFICATION
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DBLOOK
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- RETRIEVE DATABASE & RECORD NUMBER GIVEN
RECORD TYPE NAME AND DATA BASE NAME

- OBTAIN DATA BASE AND RECORD NAME FROM PARSER.
THEN GO AGAINST THE CDM TO OBTAIN
THE DATABASE AND RECORD NUMBER

ARGUMENTS:

DB-NAME	DSPLY[X(30)]
RT-ID	DSPLY[X(30)]
DB-ID	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERDB
UERROR
VERRT
ERRPRO

DOCGROUP PS41100 Module Documentation
NAME: DEFALG
PURPOSE: DEFINE A COMPLEX MAPPING ALGORITHM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFALG
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

DEFINE THE USE OF A PREVIOUSLY CREATED
SOFTWARE MODULE AS A COMPLEX MAPPING ALGORITHM.
INPUT AND OUTPUT PARAMETERS ARE DEFINED FOR
THE MODULE. THESE PARAMETERS MAY BE ONE OF
THE FOLLOWING: DATAITEMS, ATTRIBUTES,
DATAFIELDS, RECORDS OR CONSTANTS. A MODULE
RETURN-STATUS MUST BE THE LAST OUTPUT PARAMETER
AND MUST CONFORM TO THE IISS ERROR HANDLING
PHILOSOPHY.
VERIFY THAT THE SOFTWARE MODULE HAS BEEN
PREVIOUSLY DEFINED. RETRIEVE INTO CMP-TABLE
THE MODULES PARAMETERS IN SEQUENCE.
EXTRACT FROM THE PARSER LISTS, THE INPUTS
AND OUTPUTS TO THE ALGORITHM, ALSO POPULATE
CMP-TABLE. MAPPINGS MAY BE FROM EXTERNAL TO
CONCEPTUAL OR VICE VERSA AD THESE INVOLVE
PREVIOUSLY DEFINED DATAITEMS AND ATTRIBUTES.
MAPPINGS MAY ALSO BETWEEN CONCEPTUAL AND
INTERNAL AND THESE INVOLVE ATTRIBUTES AND FIELDS OR
RECORDS,WHICH MUST HAVE BEEN PREVIOUSLY DEFINED.
CHECKS ARE THEN PERFORMED TO ENSURE THE
LEGALITY OF THE ALGORITHM, BEFORE BEING
INSERTED IN THE CDM.
THE ALGORITHM COMMAND ALSO POPULATES THE
AUC_IS_MAPPING TABLE IN CASE OF CS-IS ALGORITHMS

INCLUDE FILES:

LISTNOS
ERRCDM
ALGTBL
ERRPRO

ROUTINES CALLED:

ALGCHK
ALGDTN
CPFONE
LOWUPP
CONVCPF
VERALGI
UERROR
VERPARM
VERDTYP
CPFCOR
CPFNXT

VERDIDN
VERTAG
VERDBRT
VERDTFL
INSTGPA
INSDIPA
INSRTPA
INSDFPA
INSCOPA
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFAREA
PURPOSE: PROCESSES THE AREA INFORMATION .
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFAREA
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE PROCESSES THE AREA INFORMATION IF THE DBMS IS IDS-II, IDMS AND VAX-11.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
NDDL-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERAREA
UERROR
INSDAA
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFCODL
PURPOSE: PROCESSES THE DBMS TYPES: VAX-11, IDMS, IDS-II.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFCODL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE PROCESSES THE DBMS TYPES:
VAX-11
IDMS
IDS-II
First, extract the schema, subschema and area names. After verifying that the area name does not exist, insert into the cdm. Repeat till no more area names.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
UERROR
CPFNXT
INSSCH
VERAREA
UWARN
INSAREA
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFDB
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR DEFINING A DATABASE
TO THE SYSTEM.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFDB
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CONTROLS THE PROCESSING LOGIC FOR DEFINING A
DATABASE TO THE SYSTEM.
extract the dbms type ,data base name and host id
from the parser lists.
After verifying that the data base does not
already exist, insert it into the CDM. Now process the DBMS
type depending on whether it is Total, IMS, ORACLE, VAX-11,
IDMS or IDS-II.

INCLUDE FILES:

LISTNOS
UNIQENO
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
VERDBMS
UERROR
LOWUPP
VERDB
VERHST
GETNNUM
INSDB
DEFORCL
DEFCODL
DEFIMS
CHGLOBL
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFDBMS
PURPOSE: POPULATES DBMS TABLE AND DBMS_ON_HOST TABLE IF NECESSARY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFDBMS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- SETS UP AND CALLS INSDBMS WHICH ADDS A DBMS_NAME AND DB_MODEL TO THE DBMS TABLE. ALSO, FOR EACH HOST_ID SPECIFIED, THIS PROGRAM CALLS VERHST TO VERIFY THAT THE HOST_ID IS ON THE HOST TABLE AND THEN CALLS INSDBH TO INSERT A DBMS / HOST ASSOCIATION IN THE DBMS_ON_HOST TABLE.

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
UERROR
INSDBMS
INSDBH
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFHST
PURPOSE: POPULATES HOST TABLE AND DBMS_ON_HOST TABLE IF
NECESSARY
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFHST
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CALLS GETNNUM TO GET A HOST-NO FOR THE
HOST-ID. THEN CALLS INSHST TO INSERT INTO
THE HOST TABLE THE HOST-ID AND HOST-NO.
IF THEIR ARE ANY DBMS SPECIFIED TO BE
ASSOCIATED WITH THE HOST-ID, INSDBH
IS CALLED TO ADD THE DBMS-NAME AND
HOST-ID TO THE DBMS_ON_HOST TABLE.

INCLUDE FILES:

ERRCDM
LISTNOS
UNIQENO
ERRPRO

ROUTINES CALLED:

CPFONE
VERHST
UERROR
GETNNUM
INSHST
INSDBH
CPFNXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFIMS
PURPOSE: PROCESSES THE DBMS TYPE: IMS.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFIMS
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE PROCESSES THE DBMS TYPE: IMS
First extract the PSB sequence number, key feedback length,
and PSB name from the parser lists. After verifying
that the psb name does not previously exist,
insert into PSB and
PSB_PCB.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
HOST-ID	DSPLY[X(30)]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
UERROR
CPFNXT
VERDPSB
INSPCB
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFORCL
PURPOSE: PROCESSES THE DBMS TYPE: ORACLE.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFORCL
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE PROCESSES THE DBMS TYPE: ORACLE
Extract the password from the parser lists, then insert the oracle database id and password.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RETURN-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

LISTNOS
ERRCDM
ERRPRO

ROUTINES CALLED:

CPFONE
UERROR
INSPWRD
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFPSB
PURPOSE: PROGRAM NAME DEFPSB
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFPSB
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- ADD A IMS PROGRAM SPECIFICATION BLOCK (PSB) NAME TO THE PSB TABLE

-

INCLUDE FILES:

ERRCDM
LISTNOS
ERRPRO

ROUTINES CALLED:

CPFONE
VERPSB
UERROR
VERHST
VERDBH
INS1PSB
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFREC
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR DEFINING A RECORD
FOR THE SYSTEM.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFREC
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE CONTROLS THE PROCESSING LOGIC FOR DEFINING A
RECORD FOR THE SYSTEM.
AFTER EXTRACTING THE DB-ID AND RT-ID, VERIFY THAT THE RECORD
TYPE DID NOT PREVIOUSLY EXIST. IF IT DID NOT, PROCESS THE
AREA INFORMATION AND FIELD INFORMATION.

INCLUDE FILES:

LISTNOS
ERRCDM
UNIQENO
ERRPRO

ROUTINES CALLED:

GETRDH
UERROR
VERRT
GETNNUM
INSRTYP
DEFFLD
DEFAREA
VERAREA
INSAREA
INSDAA
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEFSET
PURPOSE: CONTROLS THE PROCESSING LOGIC FOR THE DEFINE SET
COMMAND.
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFSET
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

CONTROLS THE PROCESSING LOGIC FOR THE
DEFINE SET COMMAND.
THE FOLLOWING DBMS ARE LEGAL FOR THIS PROCESS:
TOTAL, IMS, VAX-11, IDMS, IDS

DBMS RULES	ORACLE	TOTAL	IMS	* VAX-11	IDMS	IDS
*	CODASYL DBMS'S		*			
RULE	*					
SETS	NO	YES	YES	YES	YES	YES
EQUIRED/ PTIONAL	NO	NO	NO	YES	YES	YES
OR MEMBERS INKAGE/ ATA FIELD	NO	YES	NO	NO	NO	NO
INGLE EMBER LLOWED	NO	YES	YES	YES	YES	YES
ULTIPLE EMBERS	NO	NO	NO	YES	YES	YES

INCLUDE FILES:

LISTNOS
UNIQENO

ROUTINES CALLED:

GETDBST
UERROR
VERRSET
CPFONE
VERRT
CPFNXT
INSSTM
GETNNUM
INSRSET
VERDTFL
INSDSL
CPFCOR
LOWUPP

DOCGROUP PS41100 Module Documentation

NAME: DEFSMOD
PURPOSE: DEFINE SOFTWARE MODULE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEFSMOD
SOURCE FILE TYPE: COB
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- CREATE SOFTWARE MODULE AND MODULE PARAMETERS

INCLUDE FILES:

ERRCDM
LISTNOS

ROUTINES CALLED:

CPFONE
VERSMOD
UERROR
INSSMOD
VERDT
VERAPRM
INSAPRM
CPFNXT

DOCGROUP PS41100 Module Documentation

NAME: DEL1AIM
PURPOSE. DELETE A MAPPED TAG GIVEN THE TAG_NO, EC_NO, AND
RT_NO
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEL1AIM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETES FROM AUC_IS_MAPPING GIVEN THE KEY_CLASS MEMBERS, TAG, RECORD, AND ENTITY NUMBER.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
EC-NO	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEL1ASM
PURPOSE: PROGRAM NAME DEL1ASM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEL1ASM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETES ONE AUC SET MAPPING FROM THE CDM

ARGUMENTS:

DB-NO	DSPLY[S9(9)]
SET-NAME	DSPLY[X(30)]
TAG-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEL1ERT
PURPOSE: DELETE A SPECIFIED ENTITY TO RECORD MAPPING
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEL1ERT
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETES ONE ROW FROM EC_RT_MAPPING
FOR A GIVEN EC_NO AND RT_NO PROVIDED
NO OTHER MAPPING IS DEPENDENT ON IT
(I.E. AUC_IS_MAPPING AND/OR ECRTUD)

ARGUMENTS:

EC-NO	DSPLY[S9(9)]
RT-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEL1PDF
PURPOSE: PROGRAM NAME DEL1PDF
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEL1PDF
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETES ONE DATA FIELD MAPPING FROM PROJECT DATA FIELD TABLE IN THE CDM.

ARGUMENTS:

DB-NO	DSPLY[S9(9)]
REC-NAME	DSPLY[X(30)]
DF-NAME	DSPLY[X(30)]
TAG-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DEL1PRF
PURPOSE: PROGRAM NAME DEL1PRF
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DEL1PRF
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETES A SINGLE MAPPING FROM THE CDM
FOR A GIVEN TAG NUMBER AND PREFERENCE

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
PREF-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DELAAA
PURPOSE: DROP THE AREA-ID FROM CDM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DELAAA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETES AREA FROM FROM CDM

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
RT-ID	DSPLY[X(30)]
AREA-ID	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DELACON
PURPOSE: DELETE ATTRIBUTE CONSTRAINTS
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DELACON
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

DELETE ATTRIBUTE CONSTRAINTS FROM
AUC_CONSTRAINT

ARGUMENTS:

TAG-NO DSPLY[S9(9)]
RETURN-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DELAISM
PURPOSE: PROGRAM NAME DELAISM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DELAISM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETES ALL AUC MAPPINGS FROM THE CDM
FOR A GIVEN TAG NUMBER.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DELAPRM
PURPOSE: DELETE AN OCCURRENCE FROM MODULE_PARAMETER
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DELAPRM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETE AN OCCURRENCE FROM MODULE_PARAMETER
GIVEN MODULE NAME (MOD_ID) AND PARAMETER
NAME (PARM_NAME)

ARGUMENTS:

MOD-ID	DSPLY[X(10)]
PARM-NAME	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DELAREA
PURPOSE: NDML COMMAND TO DELETE AREAS/FILES ASSOC. WITH
CODASYL/TOTAL DB
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DELAREA
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

PRODUCES AN NDML STATEMENT TO DELETE THE AREAS (TOTAL FILES) ASSOCIATED WITH A CODASYL (TOTAL) DATABASE IN THE DATA BASE AREA TABLE OF THE CDM.
DELETE THE AREA ID BASED ON THE DATA BASE ID.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
AREA-NAME	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DELASM
PURPOSE: PROGRAM NAME DELASM
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DELASM
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- DELETES ALL SET MAPPINGS WITH
A SPECIFIED TAG NUMBER.

ARGUMENTS:

TAG-NO	DSPLY[S9(9)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DELCONI
PURPOSE: DELETE CONSTRAINT INPUTS ASSOCIATED WITH AN AUC
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DELCONI
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

-

THIS ROUTINE DELETES ALL CONSTRAINT INPUTS
ASSOCIATED WITH AN AUC

ARGUMENTS:

TAG-NO DSPLY[S9(9)]
RETURN-STATUS DSPLY[S9(9)]

INCLUDE FILES:

ERRCDM
SRVRET
ERRPRO

ROUTINES CALLED:

ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DELDBDF
PURPOSE: DELETE ALL DATA FIELD ASSOCIATIONS WITH THE DATABASE
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DELDBDF
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

THIS ROUTINE WAS DESIGNED FOR USE WITH
DRPDB (DROP DATA BASE)

THIS ROUTINE VERIFIES THE EXISTANCE OF A DATA FIELD,
SELECT A DATA FIELD ONE AT A TIME IN THE NDML LOOP,
DELETES THE DATA FIELD, DELETES THE TEXTUAL DESCRIPTION,
AND ADDS THE REUSABLE NUMBER BACK IN THE CDM.
IT HAS ONE INPUT PARAMETER (DB-ID) AND ONE
OUTPUT PARAMETER FOUND-STATUS (0 GOOD AND -1
AN ERROR HAS OCCURRED. ALL ERRORS ARE COVERED
BY ERROR STATEMENTS IN THE ROUTINE.

ARGUMENTS:

DB-ID	DSPLY[S9(9)]
FOUND-STATUS	DSPLY[S9(9)]

INCLUDE FILES:

SRVRET
UNIQENO
ERRPRO

ROUTINES CALLED:

VERDFUS
UERROR
DELDFL3
ADDRNUM
DELTEXT
ERRPRO

DOCGROUP PS41100 Module Documentation

NAME: DELDBH
PURPOSE: NDML STATEMENT TO DELETE DBMS/HOST DEFINITION FROM
DBMS_ON_HOST TABL
LANGUAGE: VAX-11 COBOL
SOURCE FILE: DELDBH
SOURCE FILE TYPE: PRC
HOST:
SUBSYSTEM: CDM
SUBDIRECTORY: NDDL

DESCRIPTION:

- PRODUCES A DELETE NDML STATEMENT TO
DELETE A DBMS / HOST DEFINITION FROM THE
DBMS_ON_HOST TABLE.

ARGUMENTS:

HOST-ID	DSPLY[X(30)]
DBMS-NAME	DSPLY[X(30)]
RET-STATUS	DSPLY[X(5)]

INCLUDE FILES:

ERRCDM
ERRPRO

ROUTINES CALLED:

ERRPRO